



**PHASE II ENVIRONMENTAL SITE ASSESSMENT
PORTION OF PARCEL No. 59-01900-00
MONROE, MICHIGAN**

prepared for

**DOWNRIVER COMMUNITY CONFERENCE
BROWNFIELD CONSORTIUM
2012 U.S.EPA BROWNFIELD ASSESSMENT GRANT
COOPERATIVE AGREEMENT No. BF-00E01038-0**

and

**DETROIT RIVER INTERNATIONAL
WILDLIFE REFUGE
9311 GROH ROAD
GROSSE ILE, MICHIGAN 48138**

and

**PORT OF MONROE
P.O. Box 585
MONROE, MICHIGAN 48161**

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PHASE II ENVIRONMENTAL SITE ASSESSMENT

PORTION OF PARCEL NO. 59-01900-00 MONROE, MICHIGAN

AKT PEERLESS PROJECT No. 1983F5-4-20

1.0 INTRODUCTION

The Downriver Community Conference Brownfield Consortium (DCCBC) (the Client) retained AKT Peerless Environmental & Energy Services (AKT Peerless) to conduct a Phase II Environmental Site Assessment (Phase II ESA) of a portion of Parcel No. 59-01900-000 in Monroe, Michigan (subject property). This Phase II ESA was conducted in accordance with AKT Peerless' Proposal for a Phase II ESA (Proposal Number PF-14271), dated January 11, 2013, Phase II Sampling and Analysis Plan (SAP), dated January 18, 2013, and is based on American Society for Testing and Materials (ASTM) Designation E 1903-97 "*Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process.*"

This Phase II ESA scope of work is intended to evaluate the recognized environmental conditions (RECs) presented in Section 2.5 and to determine if "facility"¹ level contamination exists at the subject property. AKT Peerless' Phase II ESA report documents the field activities, sampling protocols, and laboratory results. AKT Peerless' Phase II ESA was performed for the benefit of the DCCBC, Detroit River International Wildlife Refuge, and the Port of Monroe, who may rely on the contents and conclusions of this report.

2.0 BACKGROUND

2.1 SITE DESCRIPTION AND PHYSICAL SETTING

The subject property is located in Sections 571 and 653 in the City of Monroe, Township 7 South (T. 7S.), Range 9 East (R. 9E.), Monroe County, Michigan. The subject property is situated north of East Elm Avenue, west of Interstate-75, south of Mason Run Drain, and east of Detroit Avenue and consists of an irregularly-shaped parcel that contains a total of approximately 22.92 acres. The Port of Monroe is the current owner and manager of the subject property, which is

¹ "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located. Facility does not include any area, place, or property where any of the following conditions are satisfied: (i) Response activities have been completed under this part that satisfy the cleanup criteria for unrestricted residential use. (ii) Corrective action has been completed under Part 213 that satisfies the cleanup criteria for unrestricted residential use. (iii) Site-specific criteria that have been approved by the department for application at the area, place, or property are met or satisfied and both of the following conditions are met: (A) The site-specific criteria do not depend on any land use or resource use restriction to ensure protection of the public health, safety, or welfare or the environment. (B) Hazardous substances at the area, place, or property that are not addressed by site-specific criteria satisfy the cleanup criteria for unrestricted residential use.

unoccupied. The subject property is undeveloped wooded/marshy land and is unused for a significant or obvious purpose.

Refer to Figure 1 for a topographic site location map. See Figure 2 for a site map.

2.2 SUBJECT PROPERTY HISTORY AND LAND USE

Based on a review of available sources, the subject property was historically part of a larger 350-acre parcel known as the East Mill site. Part of the East Mill property occupies land that is the site of the Frenchtown settlement, founded in 1787. By 1812, as the United States moved toward war with Britain, Frenchtown became a strategic outpost. The first and second battles of the River Raisin, and the subsequent massacre of over 60 American prisoners, occurred on January 18, 22, and 23, 1813 in the area of the subject property. Over 400 American soldiers were killed in these battles. Frenchtown, which was abandoned during the War of 1812, began to be resettled in 1816 further west along the river. The new settlement grew into the City of Monroe and was named the county seat of Monroe County, Michigan Territory in 1817. The area of the subject property became agricultural land after the War of 1812. Between 1850 and 1915, the subject property was part of the Michigan Nursery Company operated by Isreal Epley Ilgenfritz.

The western portion of the subject property's parent parcel (considered an adjoining property) was used by Jefferson Smurfit and predecessors for disposal of coal combustion ash and cinders and pulper wastes from the East Mill site. Coal combustion residues from the Power House were historically placed here to depths of two to four feet bgs. These activities were conducted much, if not all, of the period from 1918 until the landfill portion of the parcel (does not include the subject property) was first licensed in 1974. Ash was historically transported from the Power House to the parcel by truck. Later an ash sluicing system was installed on the northern portion of the parcel to move slurried ash to the disposal area. The slurry (ash and fresh process water) was pumped via pipeline to settling ponds on the northern portion of the parcel where it was dewatered. The slurry water was decanted through the wetland areas along Mason Run and the ash was moved to the licensed waste disposal area. The first license for the landfill was issued to Union Camp Corporation in 1974 under Michigan Act 87 and was continuously licensed under Act 87, Act 641 and Part 115 of NREPA through 1995.

With the exception of unknown land disturbances on the western portion of the subject property (as identified on historical aerial photographs), the subject property has consisted of undeveloped wooded/marshy areas since at least 1937. The Port of Monroe acquired the subject property on August 4, 2011. The subject property is currently unused for a significant or obvious purpose.

2.3 ADJACENT PROPERTY LAND USE

The following table describes the current uses of the adjoining properties, identified occupants, and noteworthy observations of environmental concern, if any, that were noted during AKT Peerless' recent subsurface investigation of the adjoining properties.

Direction	Address	Current Use / Occupant
North	None identified	Unimproved wooded land / Vacant
East	None identified	Standing water/marshy area
South (from west to east)	1560 East Elm Avenue	Commercial / Riverfront Marina
	Parcel 59-01900-003	River Raisin Heritage Trail
West	Portion of parent parcel (59-01900-000)	Unimproved land / Vacant – Closed landfill

2.4 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

2.4.1 AKT Peerless' December 2012 Phase I Environmental Site Assessment

AKT Peerless prepared a Phase I Environmental Site Assessment (ESA) for the subject property on behalf of the DCCBC, the Detroit River International Wildlife Refuge, and the Port of Monroe. AKT Peerless identified the following recognized environmental conditions (RECs) in connection with the subject property:

- **REC #1:** The subject property's parent parcel was used by Jefferson Smurfit and predecessors for disposal of coal combustion ash and cinders and pulper wastes from the adjoining East Mill site. Coal combustion residues from the Power House boilers were historically placed on the parcel to depths of two to four feet bgs. These activities were conducted much, if not all, in the period from 1918 until the landfill portion of the parcel (does not include the subject property) was first licensed in 1974. Ash was historically transported from the Power House to the parcel by truck. Later an ash sluicing system was installed to move slurried ash to the disposal area. The slurry (ash and fresh process water) was pumped via pipeline to settling ponds, where it was dewatered. The slurry water was decanted through the wetland areas along Mason Run and the ash was moved to the licensed waste disposal area. Based on a review of historical documents and environmental assessments, regulated materials have been defined to the Type III industrial waste landfill area and the coal ash layer appears to be defined to areas adjoining the subject property. However, based on a review of historical aerial photographs, the former slurry decanting process, and observed soil mounding, the potential exists for coal ash and/or other landfill related contaminants to be present on the subject property.
- **REC #2:** A regulated Type III Industrial landfill is located on the subject property's parent parcel (considered an adjoining property). The landfill formerly accepted coal ash and pulper wastes from the East Mill site. A clay cap has been placed on the landfill and groundwater monitoring events are being performed. A Landfill Closure Certification Report was submitted to the Michigan Department of Environmental Quality (MDEQ) for approval in December 2010. The landfill received a final closure certification from the MDEQ on April 23, 2012. The landfill is now undergoing the 30-year post closure period.

3.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES

3.1 SCOPE OF ASSESSMENT

To further evaluate the RECs, AKT Peerless conducted a subsurface investigation of the subject property that included: (1) the advancement of 12 soil borings (MBF-SB1 through MBF-SB12) and (2) the collection of 12 soil samples for laboratory analyses of volatile organic compounds (VOCs), semi-VOCS (SVOCs), arsenic, and lead.

3.1.1 Soil Evaluation

On January 30, 2013, AKT Peerless advanced nine soil borings at the subject property. In addition, three soil samples were collected from soil mounds. AKT Peerless used hand auger sampling techniques. AKT Peerless collected continuous soil samples from the soil borings in six-inch intervals to the maximum depth explored of four feet below ground surface (bgs). AKT Peerless personnel inspected, field-screened, and logged the samples collected at each soil boring location. Refer to Figure 2 for a site map with soil boring locations. Boring logs are provided in Appendix A.

3.1.2 Groundwater Evaluation

AKT Peerless encountered a saturated zone at approximately 3.5 feet bgs in two of the soil borings (MBF-SB1 and MBF-SB2). The saturated zone was encountered in a sand layer located above a clay layer. AKT Peerless was not able to determine if this saturated layer was due to excessive rainfall the night before or actual groundwater. Groundwater sampling was not completed as part of this assessment.

3.1.3 Deviations from the Sampling and Analysis Plan

This Phase II ESA was conducted under a U.S. Environmental Protection Agency (EPA) Brownfield Assessment Grant awarded to DCCBC. On January 18, 2013, AKT Peerless prepared a Phase II SAP on behalf of DCCBC. On January 23, 2013 the SAP was approved by the EPA Region 5 Project Manager. No deviations from the approved SAP were made.

3.2 QUALITY ASSURANCE/QUALITY CONTROL

To ensure the accuracy of data collected during on site activities, AKT Peerless implemented proper quality assurance/quality control (QA/QC) measures. The QA/QC procedures included, but were not limited to, (1) decontamination of sampling equipment before and between sampling events, (2) calibration of field equipment, (3) documentation of field activities, (4) sample preservation techniques, and (5) collection of QA/QC samples.

3.2.1 Decontamination of Equipment

During sample collection, AKT Peerless adhered to proper decontamination procedures. Sampling equipment was decontaminated using the following methods to minimize potential cross-contamination of soil samples:

- Steam-cleaning or washing and scrubbing the equipment with non-phosphate detergent

- Rinsing the equipment
- Air-drying the equipment

3.2.2 Calibration of Field Equipment

All field instruments were calibrated prior to first use on-site to ensure accuracy. Field instruments utilized during investigation activities at this subject property were a photoionization detector (PID).

During AKT Peerless' Phase II ESA, a photoionization detector (PID) was used to screen all soil samples. The PID was maintained in a calibrated condition using 100 ppm isobutylene span gas prior to subsurface investigations.

3.2.3 Documentation of Activities

During AKT Peerless' Phase II ESA activities, subject property conditions (i.e. soil boring locations, weather conditions) were documented. AKT Peerless visually inspected the soil samples and prepared a geologic log for each soil boring. The logs include soil characteristics such as (1) color, (2) composition (e.g., sand, clay, or gravel), (3) soil moisture and water table depth, and (4) signs of possible contamination (i.e., stained or discolored soil, odors). Soil types were classified in accordance with ASTM publication D-2488 "*Unified Soil Classification System*." All soil samples were delivered to a laboratory under chain-of-custody documentation. See Appendix A for AKT Peerless' soil boring logs. See Figure 2 for site map with soil boring locations.

3.2.4 Sample Preservation Techniques

AKT Peerless collected soil samples according to USEPA Publication SW-846, "*Test Methods for Evaluating Solid Waste*." Soil samples were collected in laboratory-supplied containers, stored on ice or at approximately 4 degrees Celsius, and submitted under chain-of-custody documentation.

Soil samples collected for volatile analyses were field preserved with methanol in accordance with U.S. EPA Method 5035. Soil samples collected for SVOCs and metals analyses were stored in unpreserved, 8-ounce wide-mouth jars.

3.2.5 QA/QC Sample Collection

AKT Peerless collected QA/QC samples for soil matrices in general accordance with the QA/QC sample procedures outlined in the "*Quality Assurance Project Plan (QAPP), Brownfield Assessment Program, Hazardous Substances and Petroleum Site Assessment Grant*" prepared for the DCCBC in 2009, and updated in 2012.

To audit sample accuracy and assess for contamination associated with field procedures and sampling handling, AKT Peerless collected duplicate and QA/QC samples. The duplicate and QA/QC samples included an Equipment Blank, a Trip Blank, matrix spike and matrix spike duplicate, and Duplicate Soil Sample.

Samples met hold times for each analytical group. Samples were analyzed in accordance with the specified methods. Field duplicate samples were within the expected limits. No unexpected detections were found in the trip blank.

3.3 LABORATORY ANALYSES AND METHODS

AKT Peerless submitted 12 soil samples for laboratory analyses. The following table summarizes the location, depth, matrix, and laboratory analysis for each sample.

Summary of Laboratory Analyses

Sample Name/Depth (in feet)	Matrix	VOCs	SVOCs	Arsenic	Lead
MBF-SB-1 (1-2)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SB-2 (0.5-1)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SB-3 (0.5-1)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SM-4	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SB-5 (0.5-1)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SB-6 (0.5-1)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SB-7 (0.5-1)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SB-8 (0.5-1)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SB-9 (0.5-1)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SM-10	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SM-11	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
MBF-SB-12 (0.5-1)	S	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Note: SB = Soil Boring
SM = Soil Mound

The laboratory analyzed the samples for: (1) VOCs in accordance with USEPA Method 8260B; (2) SVOCs in accordance with USEPA Method 8270C; and (3) arsenic and lead in accordance with USEPA Method 6020.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 SUBSURFACE CONDITIONS

4.1.1 Soil and Groundwater Conditions based on Published Material

According to the MDNR Geological Survey Division's *Bedrock Geology of Southern Michigan* (1987), bedrock beneath the subject property is classified as the Salina unit of the Salina Group, which is included in the Cayugan Series within the Silurian System of the Paleozoic Era. During previous investigations at the subject property and adjoining properties, the depth to bedrock in the area of the subject property is approximately 9 to 16 feet below grade.

According to the Michigan Geological Survey Division's publication, *Quaternary Geology of Southern Michigan* (1982), soils in the area are lacustrine clay and silt. These soils are described as gray to dark reddish brown and are varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.

According to the United States Department of Agriculture's (USDA's) *Soil Survey of Monroe County, Michigan* (1981), soils in the area are classified as the Lenawee ponded association. These soils are described as "*nearly level, very poorly drained, silty soils; on lake plains.*" As indicated on Photo Sheet 57 of the soil survey, subject property soils are described as belonging to Lenawee silty clay loam. The Lenawee silty clay loam consists of nearly level, poorly drained soils in flat areas and drainageways. Lenawee soils formed in loamy and clayey lacustrine deposits.

Previous investigations on surrounding properties indicated that native soils consist of silty clay to a depth of 9 to 16 feet below grade, where limestone bedrock was encountered.

Typically, the water table aquifer flows toward a major drainage feature or in the same direction as the drainage basin. The Mason Run Drain, which flows to the east, adjoins the subject property to the north. Additionally, the Raisin River, which flows to the east, is located to the south of the subject property, beyond East Elm Avenue. Three groundwater monitor wells are located along western property boundary (on western adjoining property). Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in Monroe, which obtains its municipal water from the City of Monroe Water Filtration Plant. Previous investigations at surrounding properties indicated that the average depth to groundwater is six to ten feet below grade and the groundwater flow is to the southeast.

4.1.2 Soil and Groundwater Conditions based on Field Observations

During drilling activities, AKT Peerless encountered the following soil types:

- SAND from below the topsoil to between approximately 2.5 and 3 feet bgs. This sand was fine to medium coarse grained and black and gray in color. This sand contained traces of silt and fill material (concrete and brick, slag).
- CLAY from between approximately 2.5 and 3 feet to 4 feet bgs, the maximum depth explored. This clay was soft, gray in color, and contained silt.
- FILL was observed in soil mounds throughout the property and consisted of black fine sand with traces of apparent slag material.

AKT Peerless encountered moist to saturated sand above the clay layer at approximately 3.5 feet bgs. AKT Peerless was not able to determine if this saturated area was perched water due to heavy rains or actual groundwater in an aquifer.

With the exception of the sand and fill material, the geology encountered during this Phase II ESA is consistent with the geology described in the publications noted in Section 4.1.1. Soil boring logs are included as Appendix A.

4.2 MDEQ RELEVANT EXPOSURE PATHWAYS AND APPLICABLE CRITERIA

As defined in Michigan Public Act 451 Part 201, “relevant pathway” means an exposure pathway that is reasonable and relevant because there is a reasonable potential for exposure to a hazardous substance. The analysis of potential exposure pathways is based on known existing conditions at the subject property. However, for the purposes of determining if “facility” level contamination exists on the subject property. AKT Peerless considers all pathways to be relevant.

Applicable criterion means a cleanup criterion for a relevant pathway. Relevant pathways at the subject property include:

- Groundwater Contact Protection Criteria (GCP);
- Soil Volatilization to Indoor Air Inhalation (SVIAI);
- Infinite Source Volatile Soil Inhalation (VSIC);
- Particulate Soil Inhalation (PSI), and;
- Soil Direct Contact (DC);
- Soil Saturation Concentration Screening Levels (CSAT);
- Water Solubility (SOL);
- Flammability and Explosivity Screening Levels (FESL); and
- Acute Inhalation Screening Levels (AISL).

AKT Peerless compared the laboratory analytical data to the applicable Part 201 Residential Cleanup Criteria (RCC) as published by the MDEQ-RD.

4.3 LABORATORY ANALYTICAL RESULTS

AKT Peerless collected soil samples for the purpose of determining if the subject property meets the definition of a *facility*. Analytical results were compared with MDEQ Residential Cleanup Criteria provided in MDEQ Remediation Division’s Operational Memorandum No. 1, Tables 1 and 2.

AKT Peerless submitted 12 soil samples for laboratory analysis of VOCs, SVOCs, arsenic, and lead. The results of the laboratory analyses of the soil samples are summarized in the table below:

Summary of Soil Analytical Results

Soil Boring Location & Depth	Parameter	MDEQ Criteria Exceeded						
		DWP	GSIP	GCP	SVIAI	VSI	PSI	DC
MBF-SB-1 (1-2)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SB-2 (0.5-1)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SB-3 (0.5-1)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SM-4	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SB-5 (0.5-1)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SB-6 (0.5-1)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SB-7 (0.5-1)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SB-8 (0.5-1)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SB-9 (0.5-1)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SM-10	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SM-11	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>
MBF-SB-12 (0.5-1)	Arsenic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>

* - Sample identification: SB-# indicates soil boring and (#-#) indicates sample depth in feet.

DWP – Drinking Water Protection Criteria

GSIP – Groundwater Surface Water Interface Protection Criteria

GCP – Groundwater Contact Protection Criteria

SVIAI – Soil Volatilization to Indoor Air Inhalation Criteria

VSI – Volatile Soil Inhalation Criteria

PSI – Particulate Soil Inhalation Criteria

DC – Direct Contact Criteria

Refer to Figure 3 for a site map with soil analytical results exceeding MDEQ criteria. Refer to Table 1 for a summary of soil analytical results. Refer to Appendix B for a complete analytical laboratory report.

AKT Peerless did not collect groundwater samples as part of this assessment.

5.0 CONCLUSIONS

Based on AKT Peerless' December 2012 Phase I ESA, the following environmental concerns were identified:

- Potential presence of coal ash and landfill contaminants from adjoining former operations.
- Western adjoining closed landfill

On January 30, 2013, AKT Peerless conducted a subsurface investigation at the subject property to further evaluate the identified environmental concerns, and to determine if "facility" level contamination exists on the subject property. AKT Peerless advanced 12 soil borings and collected 12 soil samples for laboratory analyses of VOCs, SVOCs, arsenic, and lead.



AKT Peerless observed apparent slag material throughout the subject property. The results of the investigation indicate that concentrations of arsenic were detected above MDEQ RCC for DWP, GSIP, and DC in all of the soil samples collected from the subject property. Therefore, “facility” level contamination exists in shallow soils at the subject property.

6.0 LIMITATIONS

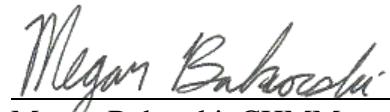
The information and opinions obtained in this report are for the exclusive use of DCCBC, Detroit River International Wildlife Refuge, and Port of Monroe by other parties may occur without the express written permission of AKT Peerless. AKT Peerless will not distribute this report without your written consent or as required by law or by a Court order. The information and opinions contained in the report are given in light of that assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein. Any third parties who have been extended the right to rely on the contents of this report by AKT Peerless (which is expressly required prior to any third-party release), expressly agrees to be bound by the original terms and conditions entered into by AKT Peerless and DCCBC.

Subject to the above and the terms and conditions, AKT Peerless accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages. Although AKT Peerless believes that results contained herein are reliable, AKT Peerless cannot warrant or guarantee that the information provided is exhaustive or that the information provided by DCCBC or third parties is complete or accurate.



7.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

The following individuals contributed to the completion of this investigation.


Megan Bahorski

Megan Bahorski, CHMM
Environmental Consultant
AKT PEERLESS ENVIRONMENTAL AND ENERGY SERVICES


Jessica T. Cory

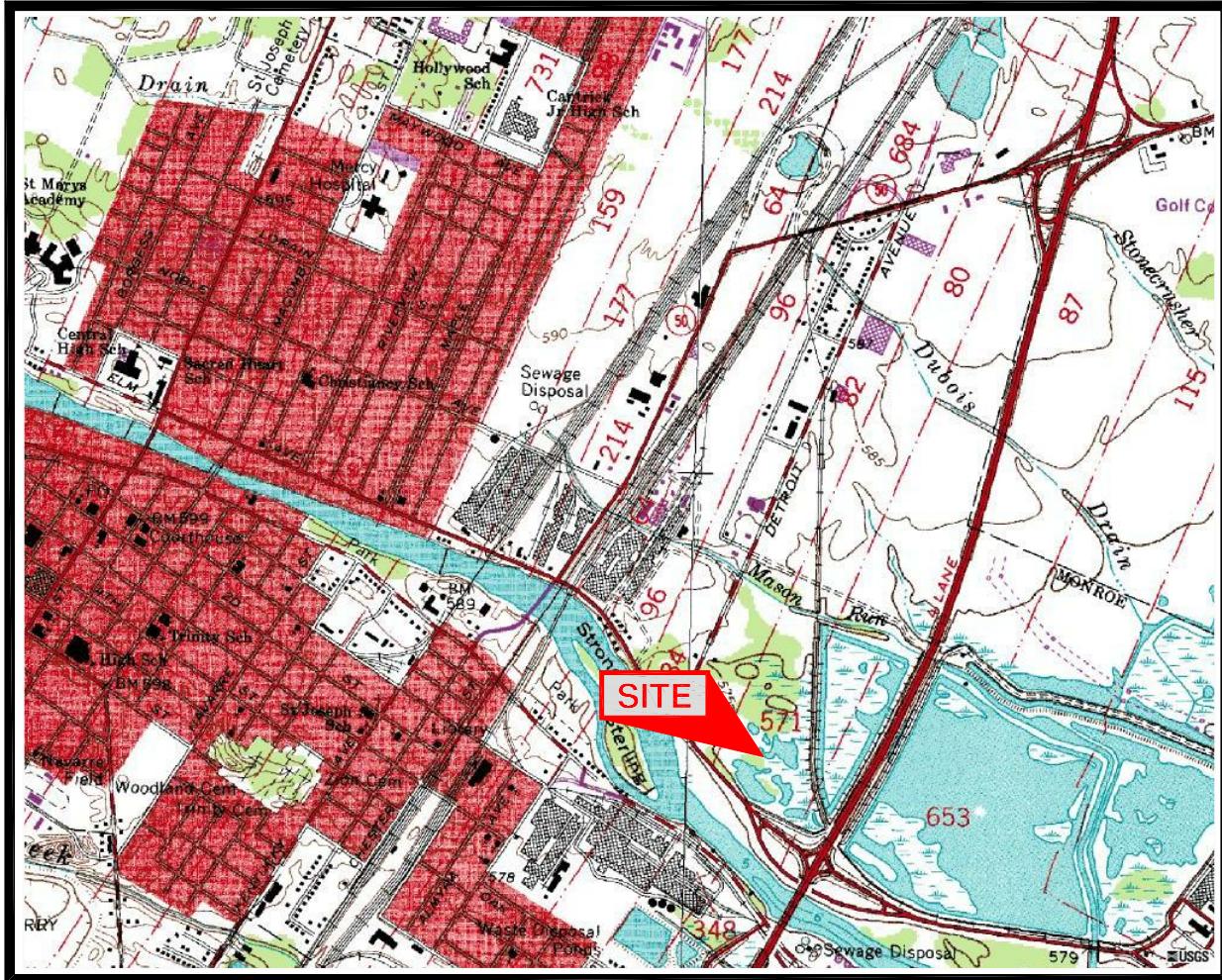
Jessica T. Cory
Project Manager
AKT PEERLESS ENVIRONMENTAL & ENERGY SERVICES
Farmington, Michigan Office


Megan Napier

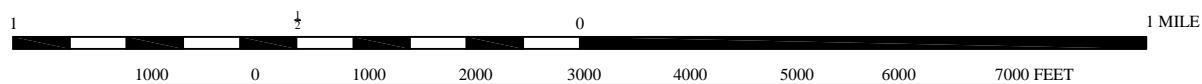
Megan Napier, P.E., LEED-AP
Senior Engineer – Group Leader
AKT PEERLESS ENVIRONMENTAL AND ENERGY SERVICES
Farmington, Michigan Office
phone: 248-615-1333
fax: 248-615-1334
email: napierm@aktpeerless.com

FIGURES

MONROE QUADRANGLE
MICHIGAN - MONROE COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)



T.7 S. - R.9 E.



CONTOUR INTERVAL 5 FEET
 DATUM IS MEAN SEA LEVEL



IMAGE TAKEN FROM 1967 U.S.G.S. TOPOGRAPHIC MAP
 PHOTOREVISED 1973

AKTPEERLESS

ILLINOIS

MICHIGAN
www.aktpeerless.com

OHIO

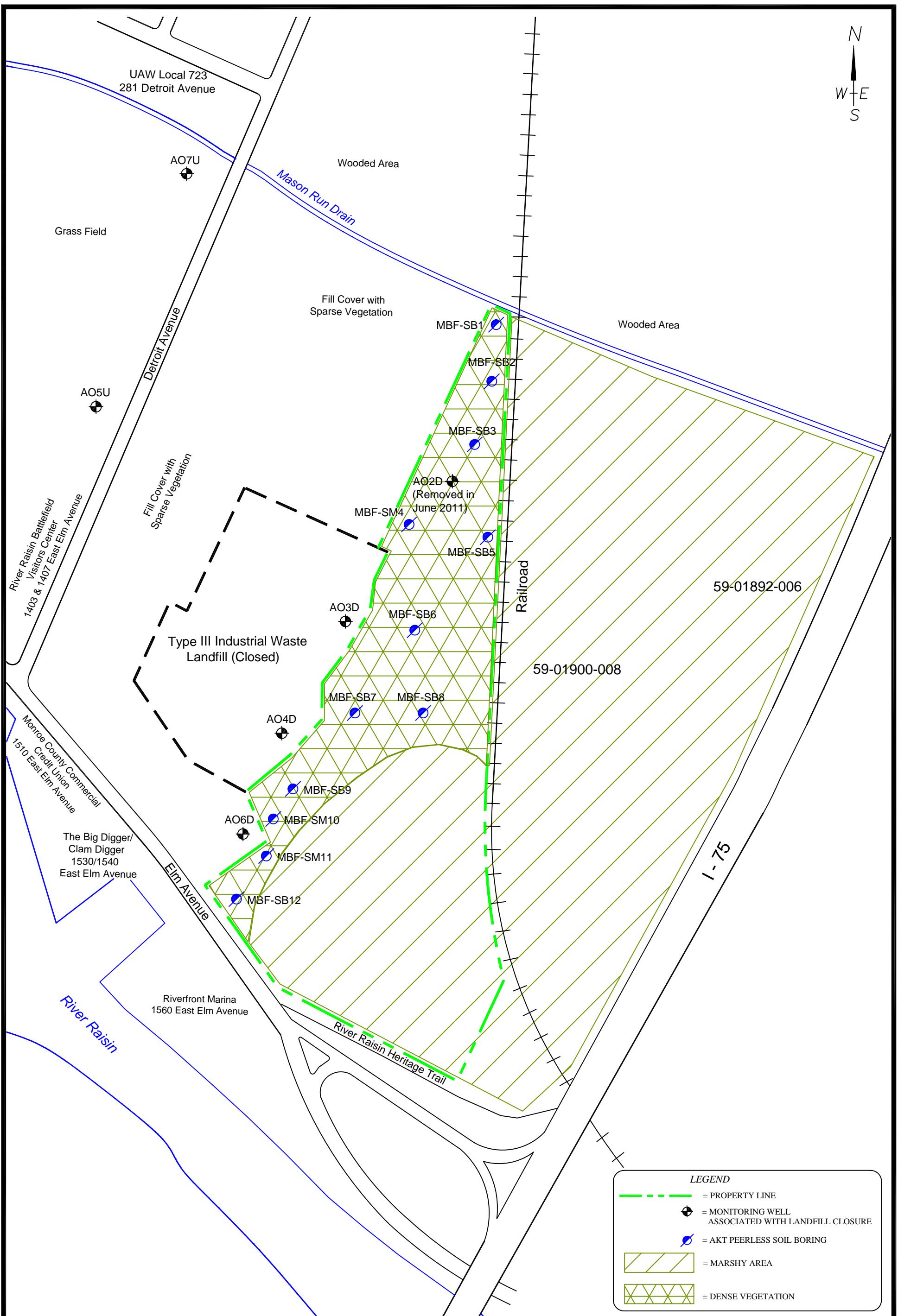
TOPOGRAPHIC LOCATION MAP

PORTION OF PARCEL No. 059-01900-000
 MONROE, MICHIGAN
 PROJECT NUMBER : 1983F5-4-20

DRAWN BY: JWB
 DATE: 2/7/2013

FIGURE 1

N
W E S



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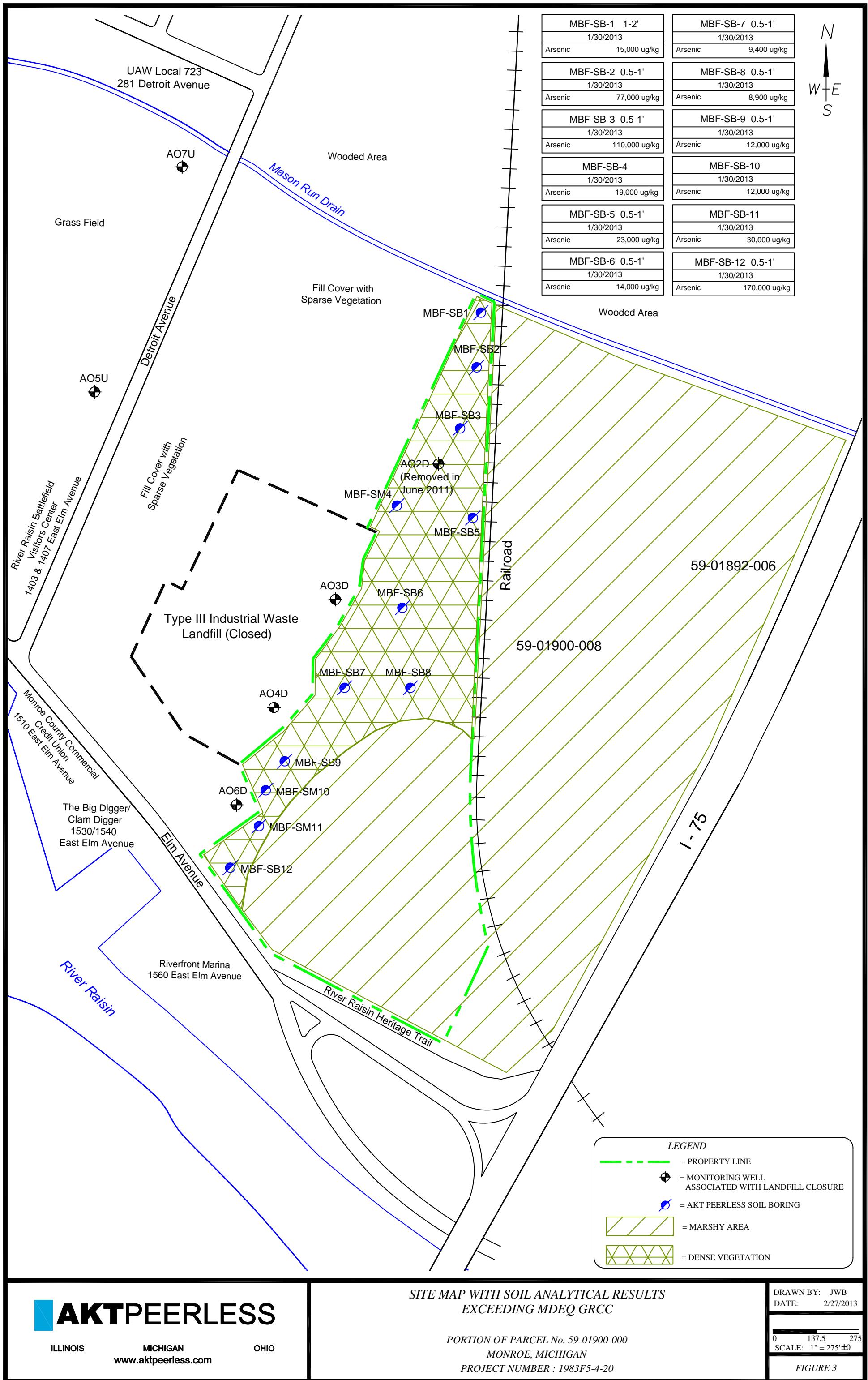
SITE MAP WITH SAMPLE LOCATIONS

PORTION OF PARCEL No. 59-01900-000
MONROE, MICHIGAN
PROJECT NUMBER : 1983F5-4-20

DRAWN BY: JWB
DATE: 2/27/2013

0 137.5 275
SCALE: 1" = 275'±0

FIGURE 2





TABLES

**Table 1, Summary of Soil Analytical Results
Portion of Parcel No. 59-01900-000
Monroe, Michigan
AKT Peerless Project No. 1983f5-4-20**

Guidesheet Number →		#10	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20	Maximum Concentration Detected	Sample Location	MBF-SB-1	MBF-SB-2	MBF-SB-3	MBF-SM-4	MBF-SB-5	MBF-SB-6	MBF-SB-7	
Parameters*	Chemical Abstract Service Number	Statewide Default Background Levels	Residential Drinking Water Protection Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs	Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs	Residential Finite VSIC for 5 Meter Source Thickness	Residential Finite VSIC for 2 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria and RBSLs	Residential Direct Contact Criteria and RBSLs	Residential Soil Saturation Concentration Screening Levels		Collection Date	1/30/2013	1/30/2013	1/30/2013	1/30/2013	1/30/2013	1/30/2013	1/30/2013	
														Depth	(1-2)	(0.5-1)	(0.5-1)	(0.5-1)	(0.5-1)	(0.5-1)		
<i>*Refer to detailed laboratory report for method reference data</i>																						
Metals ug/Kg																						
Arsenic	7440-38-2	5,800	4,600	4,600	2.0E+6	NLV	NLV	NLV	7.2E+5	7,600	NA	170,000		15,000	77,000	110,000	19,000	23,000	14,000	9,400		
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	ID	NLV	NLV	NLV	1.0E+8	4.0E+5	NA	70,000		3,100	40,000	34,000	7,400	7,100	70,000	33,000		
Semivolatiles ug/Kg																						
2-Methylnaphthalene	91-57-6	NA	57,000	4,200	5.5E+6	2.7E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	610		<330	<330	<330	<330	<330	<330	<330		
Remaining SVOCs	Various	-	-	-	-	-	-	-	-	-	ND			ND	ND	ND	ND	ND	ND	ND		
Volatiles, VOCs ug/Kg																						
Benzene (I)	71-43-2	NA	100	4,000 (X)	2.2E+5	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	<130		<68	<130	<100	<76	<80	<120		
Ethylbenzene (I)	100-41-4	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	<130		<68	<130	<100	<76	<80	<120		
Toluene (I)	108-88-3	NA	16,000	5,400	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	<130		<68	<130	<100	<76	<80	<120		
1,2,4-Trimethylbenzene (I)	95-63-6	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	<260		<140	<260	<210	<150	<160	<240		
1,3,5-Trimethylbenzene (I)	108-67-8	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	<130		<100	<130	<100	<100	<120	<120		
Xylenes (I)	1330-20-7	NA	5,600	820	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	<400		<200	<400	<310	<230	<240	<360		
Remaining VOCs	Various	-	-	-	-	-	-	-	-	-	ND			ND	ND	ND	ND	ND	ND	ND		

**Table 1, Summary of Soil Analytical Results
Portion of Parcel No. 59-01900-000
Monroe, Michigan
AKT Peerless Project No. 1983f5-4-20**

Guidesheet Number →		#10	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20	Maximum Concentration Detected	Sample Location	MBF-SB-8	MBF-SB-9	MBF-SM-10	MBF-SM-11	MBF-SB-12	
Parameters*	Chemical Abstract Service Number	Statewide Default Background Levels	Residential Drinking Water Protection Criteria and RBSLs	Groundwater Surface Water Interface Protection Criteria & RBSLs	Groundwater Contact Protection Criteria & RBSLs	Residential Soil Volatilization to Indoor Air Inhalation Criteria and RBSLs	Residential Infinite Source Volatile Soil Inhalation Criteria (VSIC) and RBSLs	Residential Finite VSIC for 5 Meter Source Thickness	Residential Finite VSIC for 2 Meter Source Thickness	Residential Particulate Soil Inhalation Criteria and RBSLs	Residential Direct Contact Criteria and RBSLs	Residential Soil Saturation Concentration Screening Levels		Collection Date	1/30/2013	1/30/2013	1/30/2013	1/30/2013	1/30/2013	
														Depth	(0.5-1)	(0.5-1)		(0.5-1)		
<i>Metals ug/Kg</i>																				
Arsenic	7440-38-2	5,800	4,600	4,600	2.0E+6	NLV	NLV	NLV	7.2E+5	7,600	NA	170,000		8,900	12,000	12,000	30,000	170,000		
Lead (B)	7439-92-1	21,000	7.0E+5	(G,X)	ID	NLV	NLV	NLV	1.0E+8	4.0E+5	NA	70,000		13,000	47,000	23,000	26,000	21,000		
<i>Semivolatiles ug/Kg</i>																				
2-Methylnaphthalene	91-57-6	NA	57,000	4,200	5.5E+6	2.7E+6	1.5E+6	1.5E+6	6.7E+8	8.1E+6	NA	610		<330	<330	610	<330	<330		
Remaining SVOCs	Various	-	-	-	-	-	-	-	-	-	ND			ND	ND	ND	ND	ND		
<i>Volatiles, VOCs ug/Kg</i>																				
Benzene (I)	71-43-2	NA	100	4,000 (X)	2.2E+5	1,600	13,000	34,000	79,000	3.8E+8	1.8E+5	4.0E+5	<130		<96	<120	<62	<75	<65	
Ethylbenzene (I)	100-41-4	NA	1,500	360	1.4E+5 (C)	87,000	7.2E+5	1.0E+6	2.2E+6	1.0E+10	1.4E+5 (C)	1.4E+5	<130		<96	<120	<62	<75	<65	
Toluene (I)	108-88-3	NA	16,000	5,400	2.5E+5 (C)	2.5E+5 (C)	2.8E+6	5.1E+6	1.2E+7	2.7E+10	2.5E+5 (C)	2.5E+5	<130		<96	<120	<62	<75	<65	
1,2,4-Trimethylbenzene (I)	95-63-6	NA	2,100	570	1.1E+5 (C)	1.1E+5 (C)	2.1E+7	5.0E+8	5.0E+8	8.2E+10	1.1E+5 (C)	1.1E+5	<260		<190	<250	<120	<150	<130	
1,3,5-Trimethylbenzene (I)	108-67-8	NA	1,800	1,100	94,000 (C)	94,000 (C)	1.6E+7	3.8E+8	3.8E+8	8.2E+10	94,000 (C)	94,000	<130		<100	<120	<100	<100	<100	
Xylenes (I)	1330-20-7	NA	5,600	820	1.5E+5 (C)	1.5E+5 (C)	4.6E+7	6.1E+7	1.3E+8	2.9E+11	1.5E+5 (C)	1.5E+5	<400		<290	<370	<180	<220	<190	
Remaining VOCs	Various	-	-	-	-	-	-	-	-	-	ND			ND	ND	ND	ND	ND		

FOOTNOTES

FOR THE PART 201 CRITERIA/PART 213 RISK-BASED SCREENING LEVELS
RRD OPERATIONAL MEMORANDUM No. 1

- (A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 pa 399, mcl 325.1005.
- (B) Background, as defined in R 299.5701(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.
- (C) Value presented is a screening level based on the chemical-specific generic soil saturation concentration (C_{sat}) since the calculated risk-based criterion is greater than C_{sat} . Concentrations greater than C_{sat} are acceptable cleanup criteria for this pathway where a site-specific demonstration indicates that free-phase material containing a hazardous substance is not present.
- (D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).
- (E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA).
- (F) Criterion is based on adverse impacts to plant life and phytotoxicity.
- (G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water.
- (H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria.
- (I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules.
- (J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.
- (K) Hazardous substance may be flammable or explosive, or both.
- (L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(10) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules.
- (M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.
- (N) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 ug/L. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of 2.0E+5 ug/kg.
- (O) The concentration of all polychlorinated and polybrominated dibenzodioxin and dibenzofuran isomers present at a facility, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin based upon their relative potency, shall be added together and compared to the criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin.
- (P) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Industrial-commercial direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.
- (Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.
- (R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of \$45, from the superintendent of documents, government printing office, Washington, DC 20401 (stock number 869-044-00155-1), or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.
- (S) Criterion defaults to the hazardous substance-specific water solubility limit.
- (T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart d and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart d and subpart g of 40 C.F.R. §761 (July 1, 2001) are adopted by reference in these rules and are available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulations may be purchased, at a cost as of the time of adoption of these rules of \$55, from the superintendent of documents, Government Printing Office, Washington, DC 20401, or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost. Alternatives to compliance with the tsc standards listed below are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable.
- (U) Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 C.F.R. §261.22 (revised as of July 1, 2001), which is adopted by reference in these rules and is available for inspection at the DEQ, 525 West Allegan Street, Lansing, Michigan. Copies of the regulation may be purchased, at a cost as of the time of adoption of these rules of \$45, from the Superintendent of Documents, Government Printing Office, Washington, DC 20401 (stock number 869-044-00155-1), or from the dEQ, RRD, 525 West Allegan Street, Lansing, Michigan 48933, at cost.
- (V) Criterion is the aesthetic drinking water value as required by Section 20120a(5) of the NREPA. concentrations up to 200 ug/L may be acceptable, and still allow for drinking water use, as part of a site-specific cleanup under Section 20120a(2) of the NREPA.
- (W) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 ug/L. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 ug/kg.
- (X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the table in this footnote, except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. see formulas in footnote (G). Soil protection criteria based on the HDV shall be as listed in the table in this footnote, except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
- (Y) Source size modifiers shown in the following table shall be used to determine soil inhalation criteria for ambient air when the source size is not one-half acre.
- (Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.
- (AA) Comparison to these criteria may take into account an evaluation of whether the hazardous substances are adsorbed to particulates rather than dissolved in water and whether filtered groundwater samples were used to evaluate groundwater.
- (BB) The state drinking water standard for asbestos is in units of fibers per milliliter of water (f/mL) longer than 10 millimicrons. Soil concentrations of asbestos are determined by polarized light microscopy.
- (CC) Groundwater: The generic GSI criteria are based on the toxicity of unionized ammonia (NH3); the criteria are 29 ug/L and 53 ug/L for cold water and warm water surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH3 in the surface water. This percent NH3 is a function of the pH and temperature of the receiving surface water and can be estimated using the following table, taken from Emerson, et al., Journal of the Fisheries Research Board of Canada, Volume 32(12):2382, 1975.
- (DD) Hazardous substance causes developmental effects. Residential and commercial I direct contact criteria are protective of both prenatal and postnatal exposure. Industrial and commercial II, III and IV direct contact criteria are protective for a pregnant adult receptor.
- (EE) The following are applicable generic GSI criteria as required by Section 20120a(15) of the NREPA.
- (FF) The chloride GSI criterion shall be 125 mg/l when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/l when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable.
- (GG) Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and commercial/industrial land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 ug/m³.
- ID Insufficient data to develop criterion.
- NA A criterion or value is not available or, in the case of background and CAS numbers, not applicable.
- NLL Hazardous substance is not likely to leach under most soil conditions.
- NLV Hazardous substance is not likely to volatilize under most conditions.
- ug/Kg Micrograms per kilogram
- ug/L Micrograms per liter
- NS Not Sampled
- BDL Below Detection Limits

* - Statewide default soil *Background* levels are relevant for all land uses and are substituted for the cleanup *Criterion* for a *Hazardous Substance* whenever the applicable risk-based criterion is lower than the statewide background level for that particular Hazardous Substance (R 299.5706a(5)(b), R 299.5707).



APPENDIX A
SOIL BORING LOGS



22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

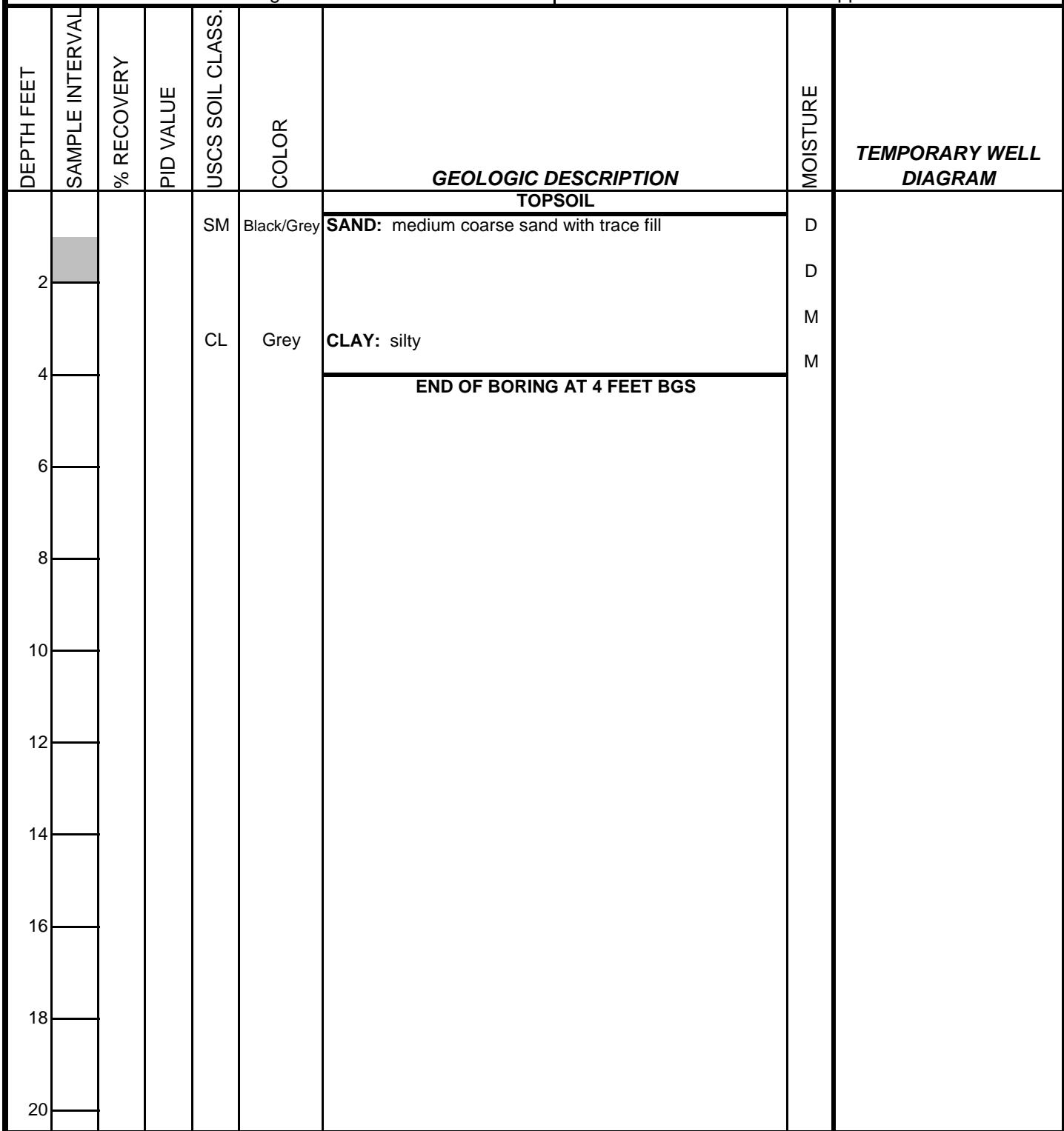
BORING LOG

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

MBF-SB-1

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	4 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable





22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

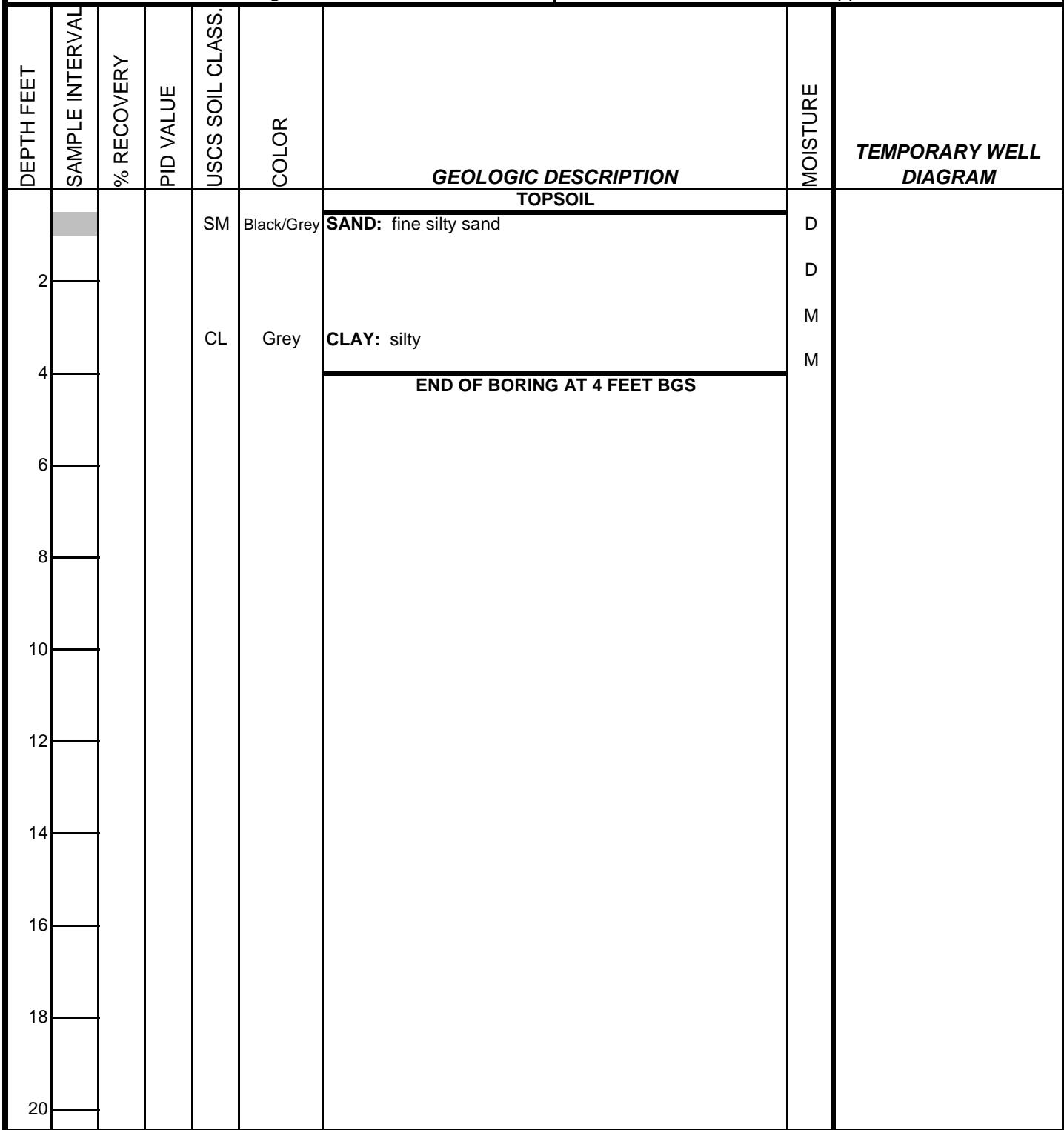
BORING LOG

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

MBF-SB-2

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	4 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable





22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

MBF-SB-3

Portion of Parcel No. 59-01900-00

Monroe, Michigan
1983f5-4-20

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	2 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable



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BORING LOG

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

MBF-SM-4

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	1 feet bgs (soil mound)
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	
						MOISTURE	TEMPORARY WELL DIAGRAM
2					Black	FILL: fine sand with slag and gravel	D
4						END OF BORING AT 1 FOOT BGS	
6							
8							
10							
12							
14							
16							
18							
20							



22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

MBF-SB-5

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	2 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable



22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

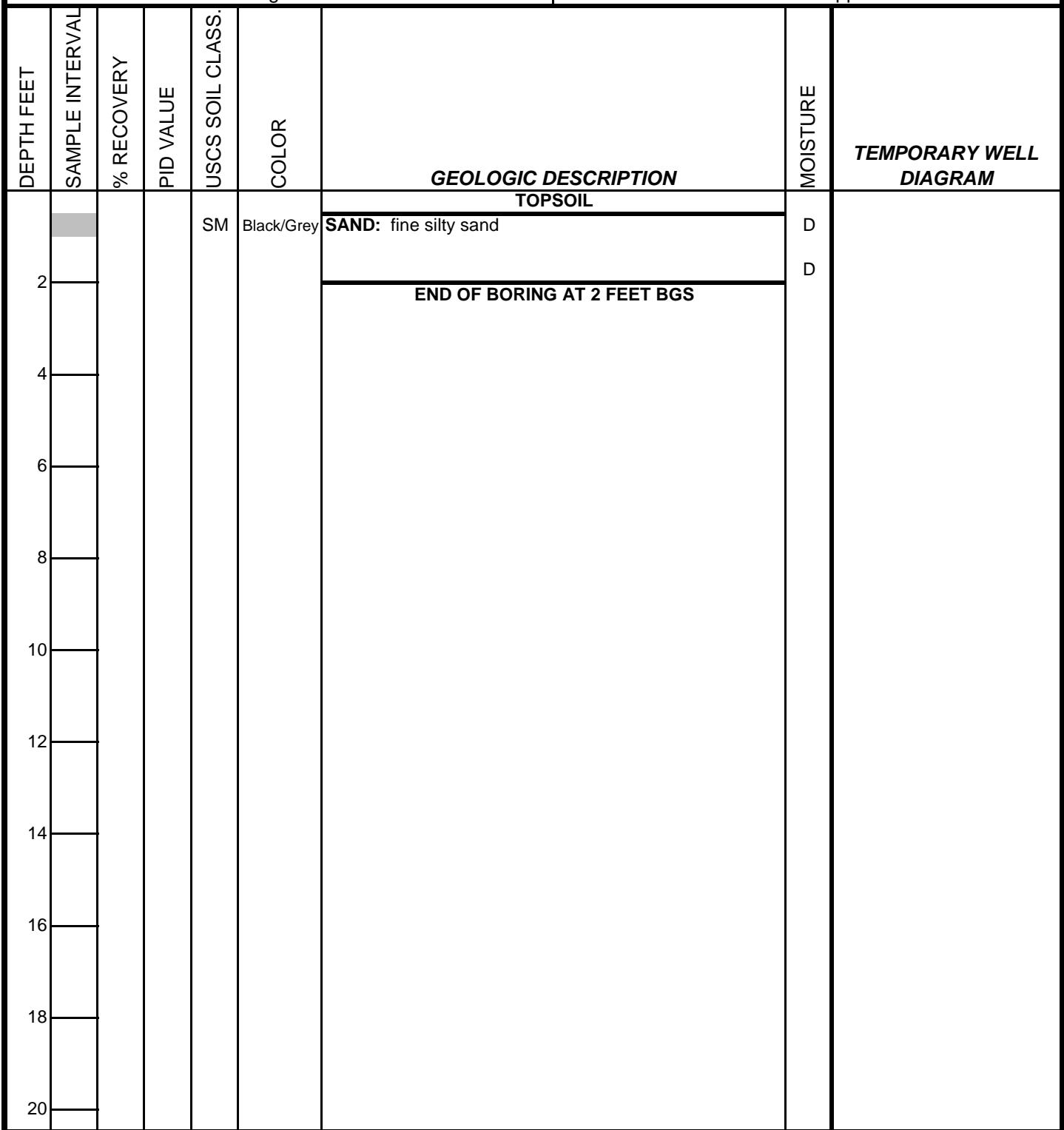
BORING LOG

MBF-SB-6

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	2 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable





22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

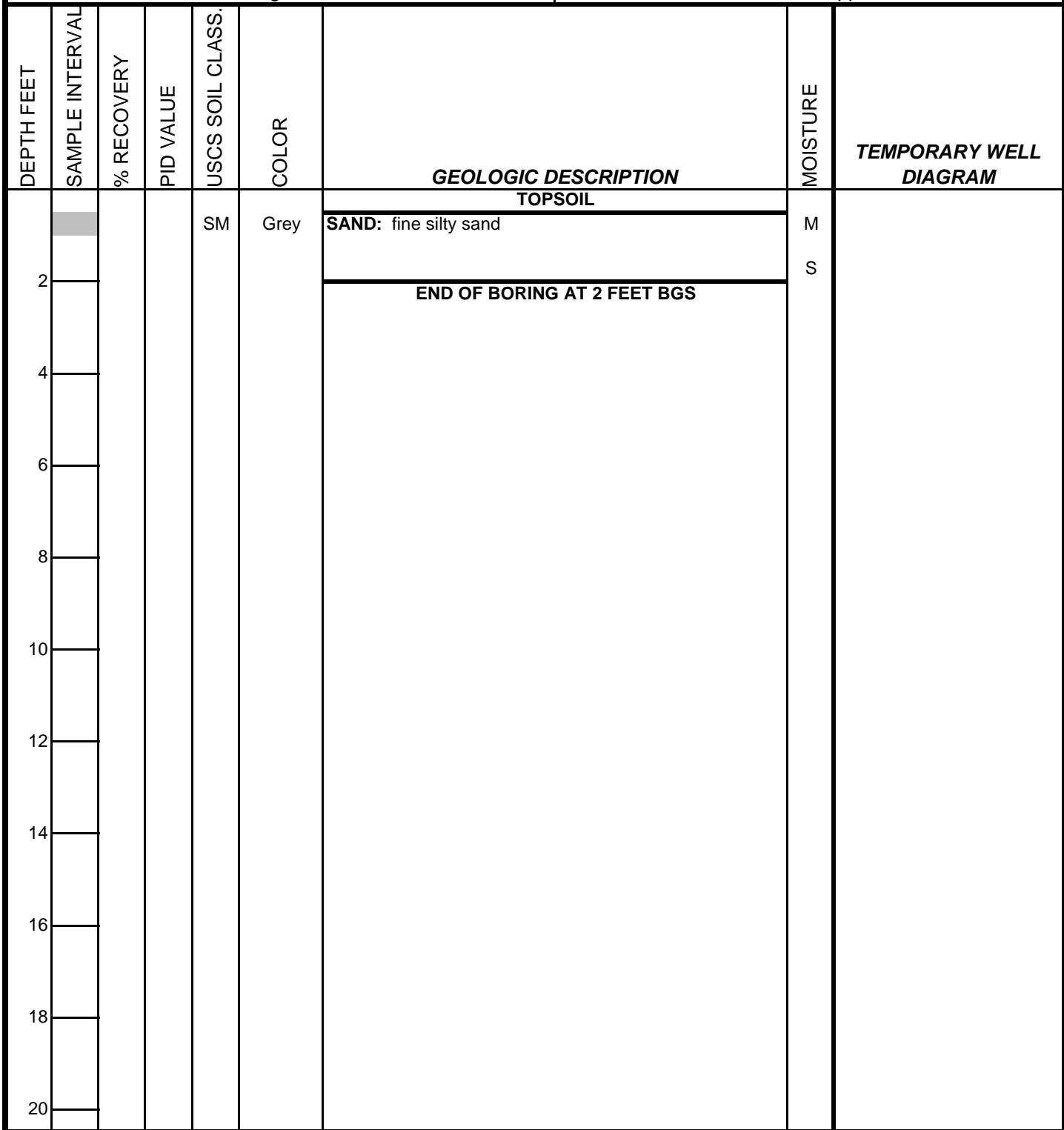
BORING LOG

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

MBF-SB-7

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	2 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable





22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

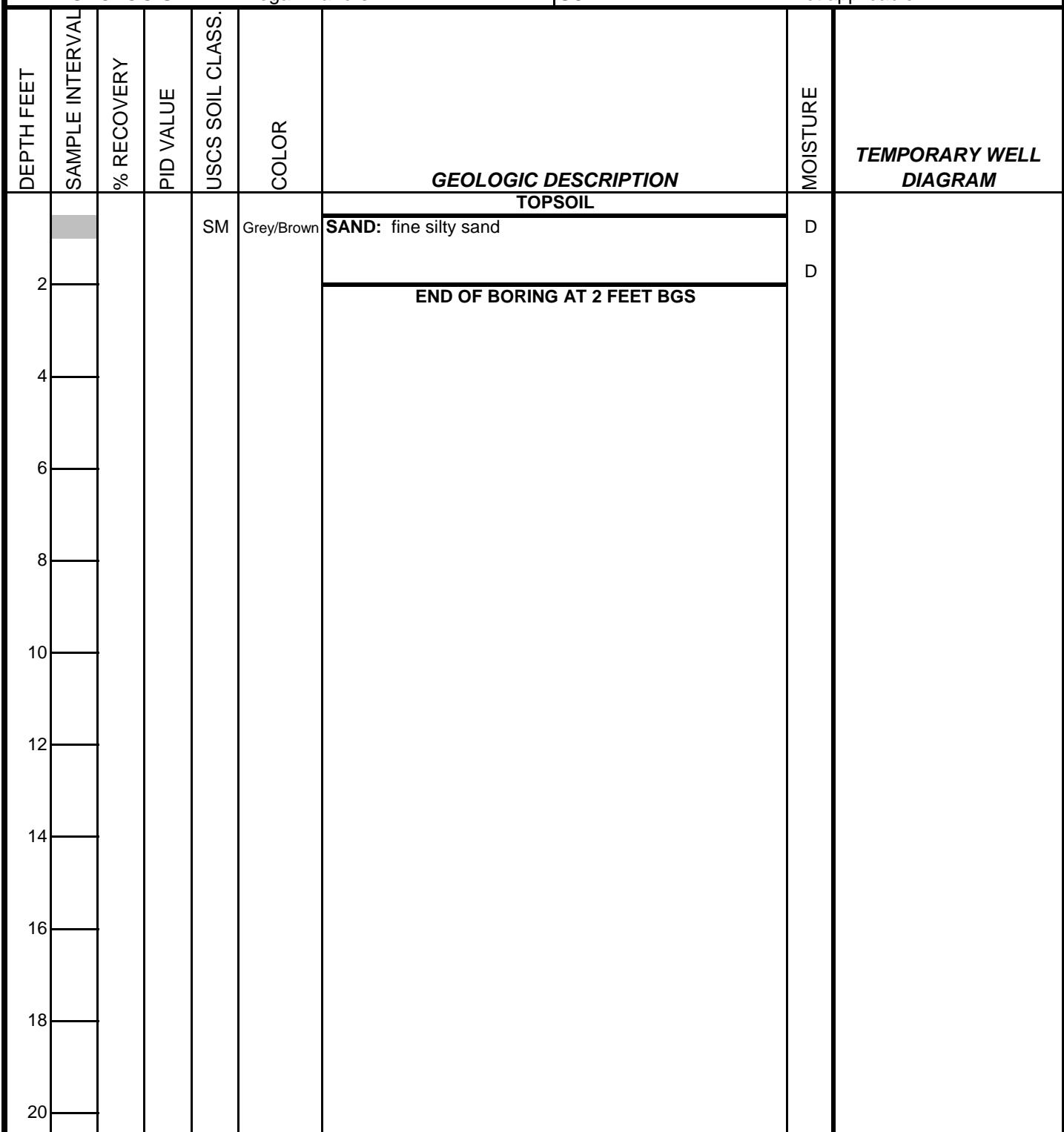
BORING LOG

MBF-SB-8

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	2 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable





22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

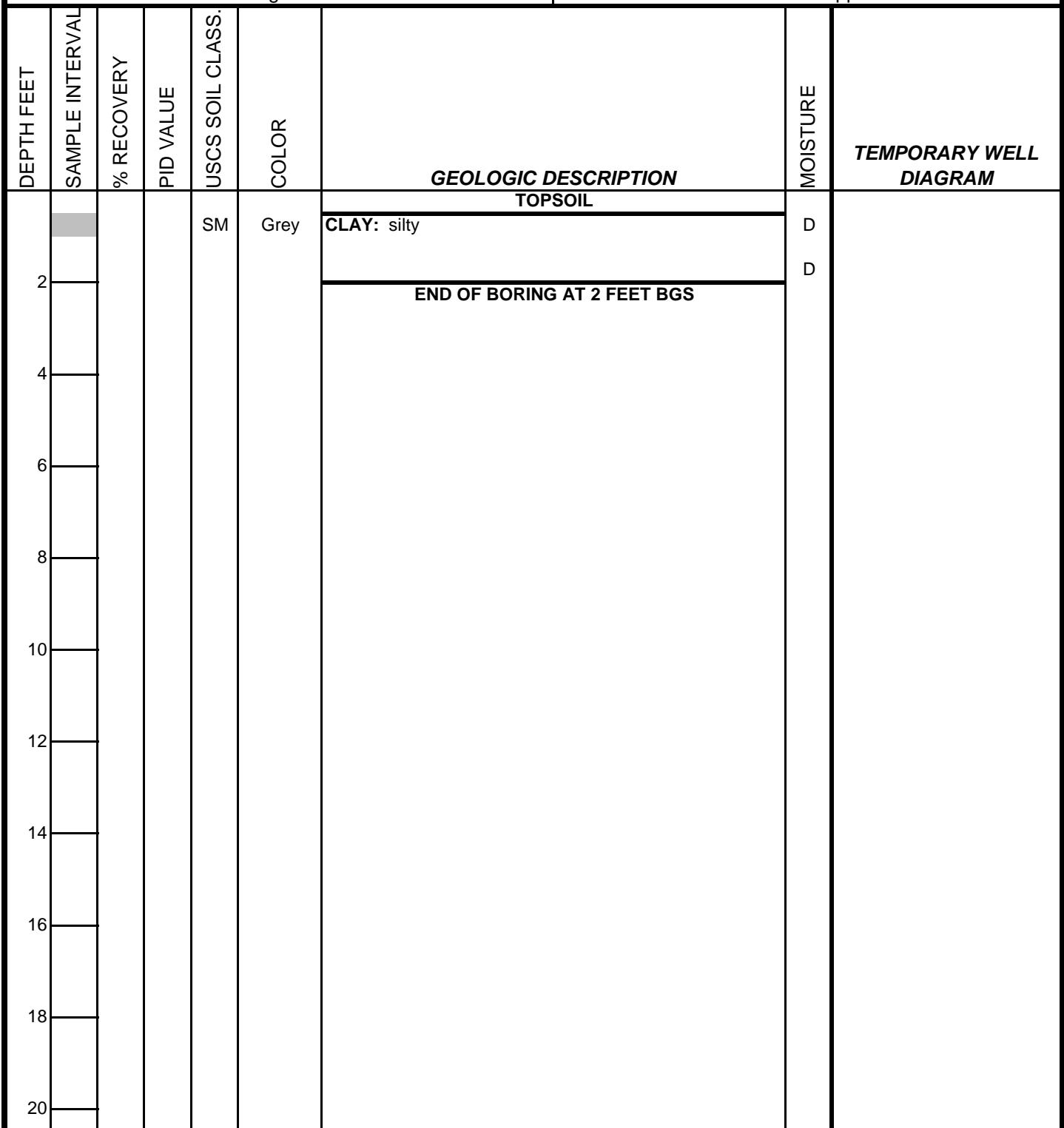
MBF-SB-9

Portion of Parcel No. 59-01900-00

Monroe, Michigan
1983f5-4-20

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	2 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable





22725 Orchard Lake Road, Farmington, Michigan 48336
Phone: (248) 615-1333 Fax: (248) 615-1334

BORING LOG

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

MBF-SM-10

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	1 feet bgs (soil mound)
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	
						MOISTURE	TEMPORARY WELL DIAGRAM
2					Black	FILL: fine sand with slag and gravel	D
4						END OF BORING AT 1 FOOT BGS	
6							
8							
10							
12							
14							
16							
18							
20							



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Portion of Parcel No. 59-01900-00
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MBF-SM-11

Drawn By: M. Bahorski
Date: 02/22/13

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	1 feet bgs (soil mound)
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable

DEPTH FEET	SAMPLE INTERVAL	% RECOVERY	PID VALUE	USCS SOIL CLASS.	COLOR	GEOLOGIC DESCRIPTION	
						MOISTURE	TEMPORARY WELL DIAGRAM
2					Black	FILL: fine sand with slag and gravel	D
4						END OF BORING AT 1 FOOT BGS	
6							
8							
10							
12							
14							
16							
18							
20							



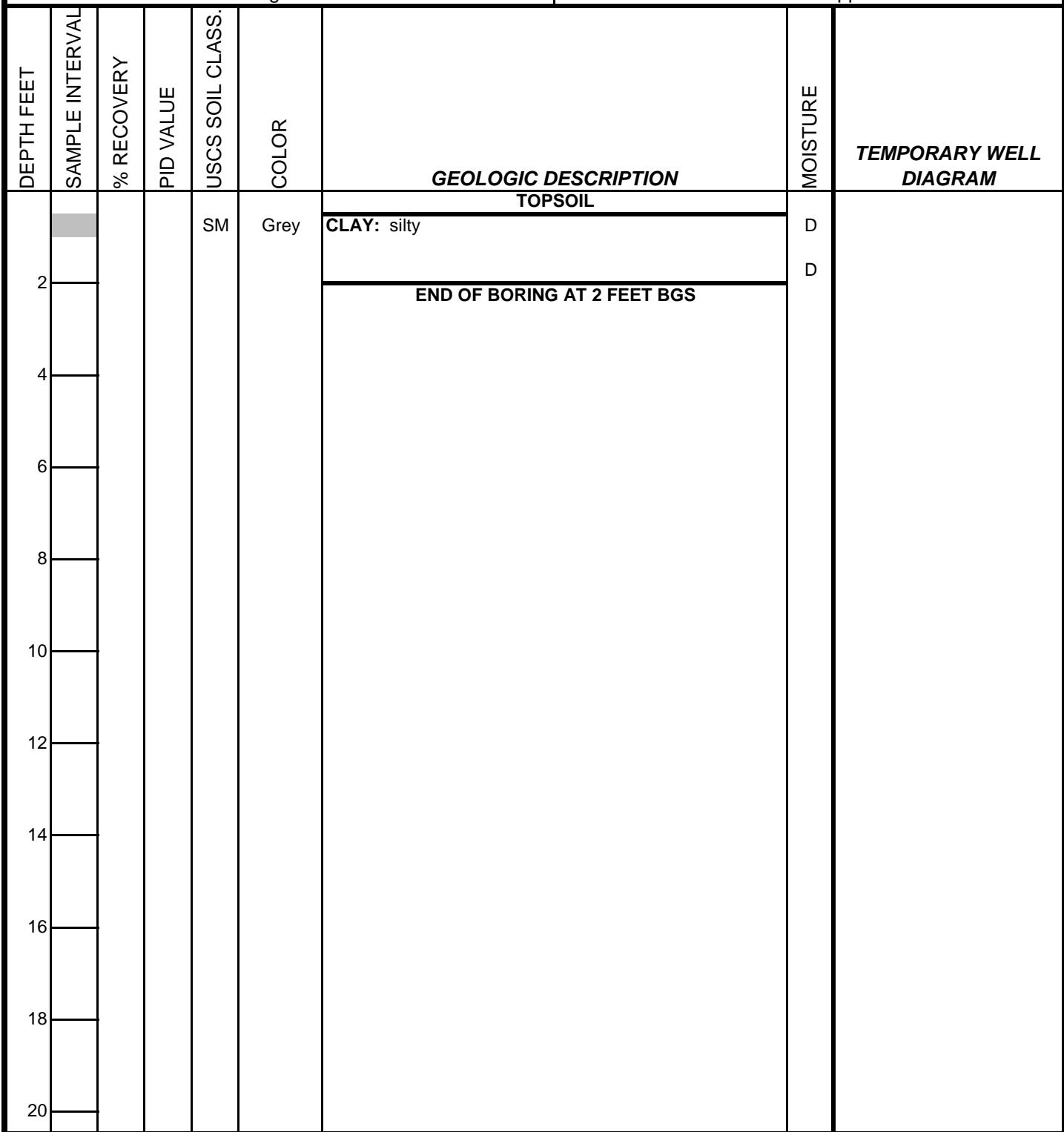
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BORING LOG

Portion of Parcel No. 59-01900-00
Monroe, Michigan
1983f5-4-20

MBF-SB-12

DRILLING COMPANY:	AKT Peerless	WEATHER:	58 F Sunny
TECHNICIAN:	Megan Bahorski	BORING DEPTH:	2 feet bgs
DATE DRILLED:	01/30/13	DEPTH TO GW:	Not encountered
DRILLING METHOD:	Hand Auger	SCREEN INTERVAL:	Not applicable
FIELD GEOLOGIST:	Megan Bahorski	SCREEN MATERIAL:	Not applicable





APPENDIX B
LABORATORY ANALYTICAL REPORT

Friday, February 08, 2013

Fibertec Project Number: 54146
Project Identification: 1983F5-4-20 /
Submittal Date: 01/31/2013

Ms. Megan Bahorski
AKT Peerless Environ. Svcs, Inc. - Farm. Hills
22725 Orchard Lake Road
Farmington Hills, MI 48336

Dear Ms. Bahorski,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note samples will be disposed of 30 days after reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,



Daryl P. Strandbergh
Laboratory Director

DPS/kc

Enclosures

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

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Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-1 (1-2)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	1	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-001A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	27		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-001A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	15000		µg/kg	100	20	02/05/13	PT13B05A	02/05/13	T213B05A
2. Lead	3100		µg/kg	1000	20	02/05/13	PT13B05A	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-001	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01C	02/02/13	V913B01C
2. Acrylonitrile	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
3. Benzene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
6. Bromodichloromethane	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
7. Bromoform	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
8. Bromomethane	U		µg/kg	200	1.0	02/01/13	V913B01C	02/02/13	V913B01C
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01C	02/02/13	V913B01C
10. n-Butylbenzene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
11. sec-Butylbenzene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
12. tert-Butylbenzene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01C	02/02/13	V913B01C
14. Carbon Tetrachloride	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
15. Chlorobenzene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
16. Chloroethane	U		µg/kg	340	1.0	02/01/13	V913B01C	02/02/13	V913B01C
17. Chloroform	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
18. Chloromethane	U		µg/kg	340	1.0	02/01/13	V913B01C	02/02/13	V913B01C
19. 2-Chlorotoluene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
20. Dibromochloromethane	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
22. Dibromomethane	U		µg/kg	340	1.0	02/01/13	V913B01C	02/02/13	V913B01C
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
26. Dichlorodifluoromethane	U		µg/kg	340	1.0	02/01/13	V913B01C	02/02/13	V913B01C
27. 1,1-Dichloroethane	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
28. 1,2-Dichloroethane	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-1 (1-2)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	1	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-001		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
30. cis-1,2-Dichloroethene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
31. trans-1,2-Dichloroethene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
32. 1,2-Dichloropropane	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
33. cis-1,3-Dichloropropene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
34. trans-1,3-Dichloropropene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
35. Ethylbenzene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
36. Ethylene Dibromide	U		µg/kg	270	1.0	02/01/13	V913B01C	02/02/13	V913B01C
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
38. Isopropylbenzene	U		µg/kg	340	1.0	02/01/13	V913B01C	02/02/13	V913B01C
39. Methyl Iodide	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
40. Methylene Chloride	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
42. MTBE	U		µg/kg	680	1.0	02/01/13	V913B01C	02/02/13	V913B01C
43. Naphthalene	U		µg/kg	340	1.0	02/01/13	V913B01C	02/02/13	V913B01C
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
45. Styrene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
48. Tetrachloroethene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
49. Toluene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
50. 1,2,4-Trichlorobenzene	U		µg/kg	340	1.0	02/01/13	V913B01C	02/02/13	V913B01C
51. 1,1,1-Trichloroethane	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
52. 1,1,2-Trichloroethane	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
53. Trichloroethene	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
54. Trichlorofluoromethane	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
57. 1,2,4-Trimethylbenzene	U		µg/kg	140	1.0	02/01/13	V913B01C	02/02/13	V913B01C
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
59. Vinyl Chloride	U		µg/kg	68	1.0	02/01/13	V913B01C	02/02/13	V913B01C
60. Xylenes	U		µg/kg	200	1.0	02/01/13	V913B01C	02/02/13	V913B01C

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-001A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Client Project Name:	1983F5-4-20	Sample No:	1	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-001A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	910	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	910	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-001

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-1 (1-2)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	1	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-001A			Matrix: Soil/Solid		Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	910	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,G-	µg/kg	910	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-2 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	2	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-002A		Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	62		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204	

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-002A		Matrix: Soil/Solid		Analyst: JLP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Arsenic	77000		µg/kg	100	20	02/05/13	PT13B05A	02/05/13	PT13B05A	
2. Lead	40000		µg/kg	1000	20	02/05/13	PT13B05A	02/05/13	PT13B05A	

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-002		Matrix: Soil/Solid		Analyst: CCD
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	U		µg/kg	1300	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
2. Acrylonitrile	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
3. Benzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
4. Bromobenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
5. Bromochloromethane	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
6. Bromodichloromethane	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
7. Bromoform	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
8. Bromomethane	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
10. n-Butylbenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
11. sec-Butylbenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
12. tert-Butylbenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
13. Carbon Disulfide	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
14. Carbon Tetrachloride	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
15. Chlorobenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
16. Chloroethane	U		µg/kg	660	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
17. Chloroform	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
18. Chloromethane	U		µg/kg	660	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
19. 2-Chlorotoluene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
20. Dibromochloromethane	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
22. Dibromomethane	U		µg/kg	660	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
23. 1,2-Dichlorobenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
24. 1,3-Dichlorobenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
25. 1,4-Dichlorobenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
26. Dichlorodifluoromethane	U		µg/kg	660	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
27. 1,1-Dichloroethane	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	
28. 1,2-Dichloroethane	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C	

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 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-002

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-2 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	2	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-002		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
30. cis-1,2-Dichloroethene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
31. trans-1,2-Dichloroethene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
32. 1,2-Dichloropropane	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
33. cis-1,3-Dichloropropene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
34. trans-1,3-Dichloropropene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
35. Ethylbenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
36. Ethylene Dibromide	U		µg/kg	530	1.0	02/01/13	V913B01C	02/02/13	V913B01C
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
38. Isopropylbenzene	U		µg/kg	660	1.0	02/01/13	V913B01C	02/02/13	V913B01C
39. Methyl Iodide	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C
40. Methylene Chloride	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
42. MTBE	U		µg/kg	1300	1.0	02/01/13	V913B01C	02/02/13	V913B01C
43. Naphthalene	U		µg/kg	660	1.0	02/01/13	V913B01C	02/02/13	V913B01C
44. n-Propylbenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
45. Styrene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
48. Tetrachloroethene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
49. Toluene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
50. 1,2,4-Trichlorobenzene	U		µg/kg	660	1.0	02/01/13	V913B01C	02/02/13	V913B01C
51. 1,1,1-Trichloroethane	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
52. 1,1,2-Trichloroethane	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
53. Trichloroethene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
54. Trichlorofluoromethane	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C
55. 1,2,3-Trichloropropane	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
57. 1,2,4-Trimethylbenzene	U		µg/kg	260	1.0	02/01/13	V913B01C	02/02/13	V913B01C
58. 1,3,5-Trimethylbenzene	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
59. Vinyl Chloride	U		µg/kg	130	1.0	02/01/13	V913B01C	02/02/13	V913B01C
60. Xylenes	U		µg/kg	400	1.0	02/01/13	V913B01C	02/02/13	V913B01C

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-002A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-2 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	2	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-002A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	1800	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	440	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	440	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	1800	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Holt, MI 48842
 Brighton, MI 48116
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T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-002

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-2 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	2	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)			Aliquot ID: 54146-002A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	1800	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	880	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,G-	µg/kg	1800	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-3 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	3	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-003A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	52		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-003A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	110000		µg/kg	200	40	02/05/13	PT13B05A	02/05/13	T213B05A
2. Lead	34000		µg/kg	1000	20	02/05/13	PT13B05A	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-003	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01C	02/02/13	V913B01C
2. Acrylonitrile	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
3. Benzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
6. Bromodichloromethane	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
7. Bromoform	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
8. Bromomethane	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01C	02/02/13	V913B01C
10. n-Butylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
11. sec-Butylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
12. tert-Butylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01C	02/02/13	V913B01C
14. Carbon Tetrachloride	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
15. Chlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
16. Chloroethane	U		µg/kg	520	1.0	02/01/13	V913B01C	02/02/13	V913B01C
17. Chloroform	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
18. Chloromethane	U		µg/kg	520	1.0	02/01/13	V913B01C	02/02/13	V913B01C
19. 2-Chlorotoluene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
20. Dibromochloromethane	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
22. Dibromomethane	U		µg/kg	520	1.0	02/01/13	V913B01C	02/02/13	V913B01C
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
26. Dichlorodifluoromethane	U		µg/kg	520	1.0	02/01/13	V913B01C	02/02/13	V913B01C
27. 1,1-Dichloroethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
28. 1,2-Dichloroethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C

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 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-003

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-3 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	3	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-003		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
30. cis-1,2-Dichloroethene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
31. trans-1,2-Dichloroethene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
32. 1,2-Dichloropropane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
33. cis-1,3-Dichloropropene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
34. trans-1,3-Dichloropropene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
35. Ethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
36. Ethylene Dibromide	U		µg/kg	420	1.0	02/01/13	V913B01C	02/02/13	V913B01C
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
38. Isopropylbenzene	U		µg/kg	520	1.0	02/01/13	V913B01C	02/02/13	V913B01C
39. Methyl Iodide	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
40. Methylene Chloride	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
42. MTBE	U		µg/kg	1000	1.0	02/01/13	V913B01C	02/02/13	V913B01C
43. Naphthalene	U		µg/kg	520	1.0	02/01/13	V913B01C	02/02/13	V913B01C
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
45. Styrene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
48. Tetrachloroethene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
49. Toluene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
50. 1,2,4-Trichlorobenzene	U		µg/kg	520	1.0	02/01/13	V913B01C	02/02/13	V913B01C
51. 1,1,1-Trichloroethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
52. 1,1,2-Trichloroethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
53. Trichloroethene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
54. Trichlorofluoromethane	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
55. 1,2,3-Trichloropropane	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
57. 1,2,4-Trimethylbenzene	U		µg/kg	210	1.0	02/01/13	V913B01C	02/02/13	V913B01C
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
59. Vinyl Chloride	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
60. Xylenes	U		µg/kg	310	1.0	02/01/13	V913B01C	02/02/13	V913B01C

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-003A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-3 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	3	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-003A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	1400	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	350	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	350	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	1400	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Holt, MI 48842
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 Cadillac, MI 49601

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 T: (231) 775-8368

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 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-003

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-3 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	3	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-003A			Matrix: Soil/Solid		Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	1400	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,G-	µg/kg	1400	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-4	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	4	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-004A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	34		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-004A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	19000		µg/kg	100	20	02/05/13	PT13B05A	02/05/13	T213B05A
2. Lead	7400		µg/kg	1000	20	02/05/13	PT13B05A	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-004	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01C	02/02/13	V913B01C
2. Acrylonitrile	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
3. Benzene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
6. Bromodichloromethane	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
7. Bromoform	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
8. Bromomethane	U		µg/kg	200	1.0	02/01/13	V913B01C	02/02/13	V913B01C
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01C	02/02/13	V913B01C
10. n-Butylbenzene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
11. sec-Butylbenzene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
12. tert-Butylbenzene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01C	02/02/13	V913B01C
14. Carbon Tetrachloride	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
15. Chlorobenzene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
16. Chloroethane	U		µg/kg	380	1.0	02/01/13	V913B01C	02/02/13	V913B01C
17. Chloroform	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
18. Chloromethane	U		µg/kg	380	1.0	02/01/13	V913B01C	02/02/13	V913B01C
19. 2-Chlorotoluene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
20. Dibromochloromethane	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
22. Dibromomethane	U		µg/kg	380	1.0	02/01/13	V913B01C	02/02/13	V913B01C
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
26. Dichlorodifluoromethane	U		µg/kg	380	1.0	02/01/13	V913B01C	02/02/13	V913B01C
27. 1,1-Dichloroethane	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
28. 1,2-Dichloroethane	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C

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F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-004

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-4	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	4	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-004		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
30. cis-1,2-Dichloroethene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
31. trans-1,2-Dichloroethene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
32. 1,2-Dichloropropane	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
33. cis-1,3-Dichloropropene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
34. trans-1,3-Dichloropropene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
35. Ethylbenzene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
36. Ethylene Dibromide	U		µg/kg	300	1.0	02/01/13	V913B01C	02/02/13	V913B01C
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
38. Isopropylbenzene	U		µg/kg	380	1.0	02/01/13	V913B01C	02/02/13	V913B01C
39. Methyl Iodide	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
40. Methylene Chloride	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
42. MTBE	U		µg/kg	760	1.0	02/01/13	V913B01C	02/02/13	V913B01C
43. Naphthalene	U		µg/kg	380	1.0	02/01/13	V913B01C	02/02/13	V913B01C
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
45. Styrene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
48. Tetrachloroethene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
49. Toluene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
50. 1,2,4-Trichlorobenzene	U		µg/kg	380	1.0	02/01/13	V913B01C	02/02/13	V913B01C
51. 1,1,1-Trichloroethane	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
52. 1,1,2-Trichloroethane	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
53. Trichloroethene	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
54. Trichlorofluoromethane	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
55. 1,2,3-Trichloropropane	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
57. 1,2,4-Trimethylbenzene	U		µg/kg	150	1.0	02/01/13	V913B01C	02/02/13	V913B01C
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
59. Vinyl Chloride	U		µg/kg	76	1.0	02/01/13	V913B01C	02/02/13	V913B01C
60. Xylenes	U		µg/kg	230	1.0	02/01/13	V913B01C	02/02/13	V913B01C

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-004A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-4	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	4	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-004A		Matrix: Soil/Solid	Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-004

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-4	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	4	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-004A			Matrix: Soil/Solid		Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-5 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	5	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-005A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	38		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-005A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	23000		µg/kg	100	20	02/05/13	PT13B05A	02/05/13	T213B05A
2. Lead	7100		µg/kg	1000	20	02/05/13	PT13B05A	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-005	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01C	02/02/13	V913B01C
2. Acrylonitrile	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
3. Benzene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
6. Bromodichloromethane	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
7. Bromoform	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
8. Bromomethane	U		µg/kg	200	1.0	02/01/13	V913B01C	02/02/13	V913B01C
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01C	02/02/13	V913B01C
10. n-Butylbenzene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
11. sec-Butylbenzene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
12. tert-Butylbenzene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01C	02/02/13	V913B01C
14. Carbon Tetrachloride	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
15. Chlorobenzene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
16. Chloroethane	U		µg/kg	400	1.0	02/01/13	V913B01C	02/02/13	V913B01C
17. Chloroform	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
18. Chloromethane	U		µg/kg	400	1.0	02/01/13	V913B01C	02/02/13	V913B01C
19. 2-Chlorotoluene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
20. Dibromochloromethane	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
22. Dibromomethane	U		µg/kg	400	1.0	02/01/13	V913B01C	02/02/13	V913B01C
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
26. Dichlorodifluoromethane	U		µg/kg	400	1.0	02/01/13	V913B01C	02/02/13	V913B01C
27. 1,1-Dichloroethane	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
28. 1,2-Dichloroethane	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C

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 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-005

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-5 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	5	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-005		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
30. cis-1,2-Dichloroethene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
31. trans-1,2-Dichloroethene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
32. 1,2-Dichloropropane	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
33. cis-1,3-Dichloropropene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
34. trans-1,3-Dichloropropene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
35. Ethylbenzene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
36. Ethylene Dibromide	U		µg/kg	320	1.0	02/01/13	V913B01C	02/02/13	V913B01C
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
38. Isopropylbenzene	U		µg/kg	400	1.0	02/01/13	V913B01C	02/02/13	V913B01C
39. Methyl Iodide	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
40. Methylene Chloride	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01C	02/02/13	V913B01C
42. MTBE	U		µg/kg	800	1.0	02/01/13	V913B01C	02/02/13	V913B01C
43. Naphthalene	U		µg/kg	400	1.0	02/01/13	V913B01C	02/02/13	V913B01C
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
45. Styrene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
48. Tetrachloroethene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
49. Toluene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
50. 1,2,4-Trichlorobenzene	U		µg/kg	400	1.0	02/01/13	V913B01C	02/02/13	V913B01C
51. 1,1,1-Trichloroethane	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
52. 1,1,2-Trichloroethane	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
53. Trichloroethene	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
54. Trichlorofluoromethane	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
55. 1,2,3-Trichloropropane	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
57. 1,2,4-Trimethylbenzene	U		µg/kg	160	1.0	02/01/13	V913B01C	02/02/13	V913B01C
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01C	02/02/13	V913B01C
59. Vinyl Chloride	U		µg/kg	80	1.0	02/01/13	V913B01C	02/02/13	V913B01C
60. Xylenes	U		µg/kg	240	1.0	02/01/13	V913B01C	02/02/13	V913B01C

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-005A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-5 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	5	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-005A		Matrix: Soil/Solid	Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U		µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U		µg/kg	1100	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U		µg/kg	1100	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-005

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-5 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	5	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-005A			Matrix: Soil/Solid		Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U		µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U		µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	1100	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U		µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U		µg/kg	1100	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
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Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	6	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-006A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	58		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-006A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	14000		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A
2. Lead	70000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-006	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
2. Acrylonitrile	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
3. Benzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
4. Bromobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
5. Bromochloromethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
6. Bromodichloromethane	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
7. Bromoform	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
8. Bromomethane	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
10. n-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
11. sec-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
12. tert-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
14. Carbon Tetrachloride	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
15. Chlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
16. Chloroethane	U		µg/kg	600	1.0	02/01/13	V913B01D	02/03/13	V913B01D
17. Chloroform	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
18. Chloromethane	U		µg/kg	600	1.0	02/01/13	V913B01D	02/03/13	V913B01D
19. 2-Chlorotoluene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
20. Dibromochloromethane	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
22. Dibromomethane	U		µg/kg	600	1.0	02/01/13	V913B01D	02/03/13	V913B01D
23. 1,2-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
24. 1,3-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
25. 1,4-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
26. Dichlorodifluoromethane	U		µg/kg	600	1.0	02/01/13	V913B01D	02/03/13	V913B01D
27. 1,1-Dichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
28. 1,2-Dichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D

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Holt, MI 48842
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 Cadillac, MI 49601

T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-006

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	6	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-006		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	U		µg/kg	480	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	U		µg/kg	600	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	U		µg/kg	1200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	U		µg/kg	600	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	U		µg/kg	600	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	U		µg/kg	240	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	U		µg/kg	360	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-006A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Cadillac, MI 49601

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	6	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-006A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,N1	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,N1	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	400	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,N1	µg/kg	400	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,N1	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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 T: (231) 775-8368

F: (517) 699-0388
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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-006

Order: 54146
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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	6	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)			Aliquot ID: 54146-006A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,N1	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,N1	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,N1	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,N1	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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11766 E. Grand River
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Holt, MI 48842
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Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-7 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	7	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-007A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	57		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-007A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	9400		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A
2. Lead	33000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-007	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
2. Acrylonitrile	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
3. Benzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
4. Bromobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
5. Bromochloromethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
6. Bromodichloromethane	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
7. Bromoform	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
8. Bromomethane	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
10. n-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
11. sec-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
12. tert-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
14. Carbon Tetrachloride	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
15. Chlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
16. Chloroethane	U		µg/kg	590	1.0	02/01/13	V913B01D	02/03/13	V913B01D
17. Chloroform	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
18. Chloromethane	U		µg/kg	590	1.0	02/01/13	V913B01D	02/03/13	V913B01D
19. 2-Chlorotoluene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
20. Dibromochloromethane	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
22. Dibromomethane	U		µg/kg	590	1.0	02/01/13	V913B01D	02/03/13	V913B01D
23. 1,2-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
24. 1,3-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
25. 1,4-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
26. Dichlorodifluoromethane	U		µg/kg	590	1.0	02/01/13	V913B01D	02/03/13	V913B01D
27. 1,1-Dichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
28. 1,2-Dichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D

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 Cadillac, MI 49601

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 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-007

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-7 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	7	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-007		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	U		µg/kg	470	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	U		µg/kg	590	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	U		µg/kg	1200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	U		µg/kg	590	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	U		µg/kg	590	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	U		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	U		µg/kg	350	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-007A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Holt, MI 48842
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Cadillac, MI 49601

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-7 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	7	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-007A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	390	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	390	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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 T: (231) 775-8368

F: (517) 699-0388
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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-007

Order: 54146
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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-7 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	7	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)			Aliquot ID: 54146-007A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,G-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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11766 E. Grand River
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Holt, MI 48842
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Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-8 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	8	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-008A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	48		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-008A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	8900		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A
2. Lead	13000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-008	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01D	02/03/13	V913B01D
2. Acrylonitrile	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
3. Benzene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
6. Bromodichloromethane	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
7. Bromoform	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
8. Bromomethane	U		µg/kg	200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
10. n-Butylbenzene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
11. sec-Butylbenzene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
12. tert-Butylbenzene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
14. Carbon Tetrachloride	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
15. Chlorobenzene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
16. Chloroethane	U		µg/kg	480	1.0	02/01/13	V913B01D	02/03/13	V913B01D
17. Chloroform	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
18. Chloromethane	U		µg/kg	480	1.0	02/01/13	V913B01D	02/03/13	V913B01D
19. 2-Chlorotoluene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
20. Dibromochloromethane	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
22. Dibromomethane	U		µg/kg	480	1.0	02/01/13	V913B01D	02/03/13	V913B01D
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
26. Dichlorodifluoromethane	U		µg/kg	480	1.0	02/01/13	V913B01D	02/03/13	V913B01D
27. 1,1-Dichloroethane	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
28. 1,2-Dichloroethane	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D

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Holt, MI 48842
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 Cadillac, MI 49601

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 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-008

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-8 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	8	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-008		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	U		µg/kg	380	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	U		µg/kg	480	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	U		µg/kg	960	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	U		µg/kg	480	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	U		µg/kg	480	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	U		µg/kg	96	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	U		µg/kg	290	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-008A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Holt, MI 48842
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Cadillac, MI 49601

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-8 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	8	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-008A		Matrix: Soil/Solid	Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	1300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	1300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-008

Order: 54146
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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-8 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	8	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)			Aliquot ID: 54146-008A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	1300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,G-	µg/kg	1300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-9 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	9	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-009A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	59		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-009A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	12000		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A
2. Lead	47000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-009	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
2. Acrylonitrile	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
3. Benzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
4. Bromobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
5. Bromochloromethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
6. Bromodichloromethane	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
7. Bromoform	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
8. Bromomethane	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
10. n-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
11. sec-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
12. tert-Butylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
14. Carbon Tetrachloride	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
15. Chlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
16. Chloroethane	U		µg/kg	620	1.0	02/01/13	V913B01D	02/03/13	V913B01D
17. Chloroform	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
18. Chloromethane	U		µg/kg	620	1.0	02/01/13	V913B01D	02/03/13	V913B01D
19. 2-Chlorotoluene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
20. Dibromochloromethane	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
22. Dibromomethane	U		µg/kg	620	1.0	02/01/13	V913B01D	02/03/13	V913B01D
23. 1,2-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
24. 1,3-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
25. 1,4-Dichlorobenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
26. Dichlorodifluoromethane	U		µg/kg	620	1.0	02/01/13	V913B01D	02/03/13	V913B01D
27. 1,1-Dichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
28. 1,2-Dichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D

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Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-009

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-9 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	9	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-009		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	U		µg/kg	490	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	U		µg/kg	620	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	U		µg/kg	1200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	U		µg/kg	620	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	U		µg/kg	620	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	U		µg/kg	370	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-009A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Holt, MI 48842
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Cadillac, MI 49601

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-9 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	9	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-009A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	410	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	410	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-009

Order: 54146
Page: 37 of 68
Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-9 (0.5-1)	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	9	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-009A			Matrix: Soil/Solid		Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,G-	µg/kg	1600	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-10	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	10	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-010A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	19		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-010A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	12000		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A
2. Lead	23000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-010	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01D	02/03/13	V913B01D
2. Acrylonitrile	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
3. Benzene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
6. Bromodichloromethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
7. Bromoform	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
8. Bromomethane	U		µg/kg	200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
10. n-Butylbenzene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
11. sec-Butylbenzene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
12. tert-Butylbenzene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
14. Carbon Tetrachloride	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
15. Chlorobenzene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
16. Chloroethane	U		µg/kg	310	1.0	02/01/13	V913B01D	02/03/13	V913B01D
17. Chloroform	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
18. Chloromethane	U		µg/kg	310	1.0	02/01/13	V913B01D	02/03/13	V913B01D
19. 2-Chlorotoluene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
20. Dibromochloromethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
22. Dibromomethane	U		µg/kg	310	1.0	02/01/13	V913B01D	02/03/13	V913B01D
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
26. Dichlorodifluoromethane	U		µg/kg	310	1.0	02/01/13	V913B01D	02/03/13	V913B01D
27. 1,1-Dichloroethane	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
28. 1,2-Dichloroethane	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D

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Holt, MI 48842
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 Cadillac, MI 49601

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 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-010

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-10	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	10	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-010		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	U		µg/kg	310	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	U		µg/kg	620	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	U		µg/kg	330	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	U		µg/kg	120	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	U		µg/kg	62	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	U		µg/kg	180	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-010A		Matrix: Soil/Solid		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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Holt, MI 48842
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Cadillac, MI 49601

T: (517) 699-0345
F: (810) 220-3311
T: (231) 775-8368
F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-010

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-10	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	10	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-010A		Matrix: Soil/Solid		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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T: (231) 775-8368

F: (517) 699-0388
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F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-010

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-10	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	10	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)			Aliquot ID: 54146-010A			Matrix: Soil/Solid		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	610	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
48. 4-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
55. Pentachlorophenol	U	J,G-	µg/kg	820	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
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Cadillac, MI 49601

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-11	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	11	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-011A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	33		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-011A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	30000		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A
2. Lead	26000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-011	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01D	02/03/13	V913B01D
2. Acrylonitrile	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
3. Benzene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
6. Bromodichloromethane	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
7. Bromoform	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
8. Bromomethane	U		µg/kg	200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
10. n-Butylbenzene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
11. sec-Butylbenzene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
12. tert-Butylbenzene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
14. Carbon Tetrachloride	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
15. Chlorobenzene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
16. Chloroethane	U		µg/kg	370	1.0	02/01/13	V913B01D	02/03/13	V913B01D
17. Chloroform	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
18. Chloromethane	U		µg/kg	370	1.0	02/01/13	V913B01D	02/03/13	V913B01D
19. 2-Chlorotoluene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
20. Dibromochloromethane	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
22. Dibromomethane	U		µg/kg	370	1.0	02/01/13	V913B01D	02/03/13	V913B01D
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
26. Dichlorodifluoromethane	U		µg/kg	370	1.0	02/01/13	V913B01D	02/03/13	V913B01D
27. 1,1-Dichloroethane	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
28. 1,2-Dichloroethane	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D

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Holt, MI 48842
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 Cadillac, MI 49601

T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-011

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-11	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	11	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-011		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	U		µg/kg	300	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	U		µg/kg	370	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	U		µg/kg	370	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	U		µg/kg	370	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	U		µg/kg	150	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	U		µg/kg	75	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	U		µg/kg	220	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-011A		Matrix: Soil/Solid		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
F: (810) 220-3311
T: (231) 775-8368
F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-011

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-11	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	11	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-011A		Matrix: Soil/Solid		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-011

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SM-11	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	11	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-011A			Matrix: Soil/Solid		Analyst: TMC		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
48. 4-Nitroaniline	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
55. Pentachlorophenol	U	J,G-	µg/kg	1000	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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11766 E. Grand River
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Holt, MI 48842
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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-12 (0.5-1)	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	12	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-012A	Matrix: Soil/Solid	Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	23		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-012A	Matrix: Soil/Solid	Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	170000		µg/kg	500	100	02/05/13	PT13B05B	02/05/13	T213B05A
2. Lead	21000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-012	Matrix: Soil/Solid	Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01D	02/03/13	V913B01D
2. Acrylonitrile	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
3. Benzene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
6. Bromodichloromethane	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
7. Bromoform	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
8. Bromomethane	U		µg/kg	200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
10. n-Butylbenzene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
11. sec-Butylbenzene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
12. tert-Butylbenzene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
14. Carbon Tetrachloride	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
15. Chlorobenzene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
16. Chloroethane	U		µg/kg	320	1.0	02/01/13	V913B01D	02/03/13	V913B01D
17. Chloroform	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
18. Chloromethane	U		µg/kg	320	1.0	02/01/13	V913B01D	02/03/13	V913B01D
19. 2-Chlorotoluene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
20. Dibromochloromethane	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
22. Dibromomethane	U		µg/kg	320	1.0	02/01/13	V913B01D	02/03/13	V913B01D
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
26. Dichlorodifluoromethane	U		µg/kg	320	1.0	02/01/13	V913B01D	02/03/13	V913B01D
27. 1,1-Dichloroethane	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
28. 1,2-Dichloroethane	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D

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 T: (231) 775-8368

F: (517) 699-0388
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 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-012

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-12 (0.5-1)	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	12	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-012		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	U		µg/kg	260	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	U		µg/kg	320	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	U		µg/kg	650	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	U		µg/kg	330	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	U		µg/kg	130	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	U		µg/kg	65	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	U		µg/kg	190	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-012A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-12 (0.5-1)	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	12	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-012A		Matrix: Soil/Solid	Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	860	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	860	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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 T: (231) 775-8368

F: (517) 699-0388
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Analytical Laboratory Report
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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-12 (0.5-1)	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	12	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)			Aliquot ID: 54146-012A			Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 4-Nitroaniline	U	J,V-	µg/kg	860	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Pentachlorophenol	U	J,G-	µg/kg	860	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	SAMPLE DUPLICATE		Chain of Custody:	108083	
Client Project Name:	1983F5-4-20	Sample No:	13		Collect Date:	01/30/13	
Client Project No:	NA	Sample Matrix:	Soil/Solid		Collect Time:	NA	

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)				Aliquot ID: 54146-013A		Matrix: Soil/Solid		Analyst: BMG	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Percent Moisture (Water Content) (NN)	27		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)				Aliquot ID: 54146-013A		Matrix: Soil/Solid		Analyst: JLP	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	19000		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A
2. Lead	3400		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-013		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/kg	1000	1.0	02/01/13	V913B01D	02/03/13	V913B01D
2. Acrylonitrile	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
3. Benzene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
4. Bromobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
5. Bromochloromethane	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
6. Bromodichloromethane	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
7. Bromoform	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
8. Bromomethane	U		µg/kg	200	1.0	02/01/13	V913B01D	02/03/13	V913B01D
9. 2-Butanone	U		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D
10. n-Butylbenzene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
11. sec-Butylbenzene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
12. tert-Butylbenzene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
13. Carbon Disulfide	U		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D
14. Carbon Tetrachloride	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
15. Chlorobenzene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
16. Chloroethane	U		µg/kg	340	1.0	02/01/13	V913B01D	02/03/13	V913B01D
17. Chloroform	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
18. Chloromethane	U		µg/kg	340	1.0	02/01/13	V913B01D	02/03/13	V913B01D
19. 2-Chlorotoluene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
20. Dibromochloromethane	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
22. Dibromomethane	U		µg/kg	340	1.0	02/01/13	V913B01D	02/03/13	V913B01D
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
26. Dichlorodifluoromethane	U		µg/kg	340	1.0	02/01/13	V913B01D	02/03/13	V913B01D
27. 1,1-Dichloroethane	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
28. 1,2-Dichloroethane	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D

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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-013

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	SAMPLE DUPLICATE	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	13	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-013		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	U		µg/kg	280	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	U		µg/kg	340	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	U		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	U		µg/kg	690	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	U		µg/kg	340	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	U		µg/kg	340	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	U		µg/kg	140	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	U		µg/kg	69	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	U		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-013A		Matrix: Soil/Solid		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
2. Acenaphthylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
3. Aniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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Cadillac, MI 49601

T: (517) 699-0345
F: (810) 220-3310
T: (231) 775-8368
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	SAMPLE DUPLICATE	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	13	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-013A		Matrix: Soil/Solid		Analyst: TMC	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
5. Azobenzene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
6. Benzo(a)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
7. Benzo(a)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
8. Benzo(b)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
9. Benzo(ghi)perylene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
10. Benzo(k)fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
11. Benzyl Alcohol	U	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
12. Bis(2-chloroethoxy)methane	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
13. Bis(2-chloroethyl)ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
14. Bis(2-chloroisopropyl) Ether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
15. Bis(2-ethylhexyl)phthalate (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
16. 4-Bromophenyl Phenylether (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
17. Butyl Benzyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
18. Carbazole (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
19. 4-Chloro-3-methylphenol	U	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
20. 2-Chloronaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
21. 2-Chlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
22. 4-Chlorophenyl Phenylether	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
23. Chrysene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
24. Dibenzo(a,h)anthracene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
25. Dibenzofuran	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
26. 2,4-Dichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
27. Diethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
28. Dimethyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
29. 2,4-Dimethylphenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
30. Di-n-butyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
31. 2,4-Dinitrophenol	U	J,G-	µg/kg	920	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
32. 2,4-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
33. 2,6-Dinitrotoluene (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
34. Di-n-octyl Phthalate	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
35. Fluoranthene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
36. Fluorene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
37. Hexachlorobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
38. Hexachlorobutadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
39. Hexachlorocyclopentadiene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
40. Indeno(1,2,3-cd)pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
41. Isophorone	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
42. 2-Methyl-4,6-dinitrophenol (NN)	U	J,G-	µg/kg	920	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-013

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	SAMPLE DUPLICATE	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	13	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-013A			Matrix: Soil/Solid		Analyst: TMC		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 2-Methylnaphthalene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
44. 2-Methylphenol (NN)	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
45. 3&4-Methylphenol (NN)	U	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
46. 2-Nitroaniline	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
47. 3-Nitroaniline	U	J,G-	µg/kg	920	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
48. 4-Nitroaniline	U	J,G-	µg/kg	920	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
49. Nitrobenzene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
50. 2-Nitrophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
51. 4-Nitrophenol	U	J,G-	µg/kg	920	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
52. N-Nitrosodimethylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
53. N-Nitrosodi-n-propylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
54. N-Nitrosodiphenylamine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
55. Pentachlorophenol	U	J,G-	µg/kg	920	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
56. Phenanthrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
57. Phenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
58. Pyrene	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
59. Pyridine	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
60. 2,4,5-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A
61. 2,4,6-Trichlorophenol	U	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S313B04A

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	TB	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	14	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 54146-014		Matrix: Ground Water	Analyst: JPL		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
2. Acrylonitrile	U		µg/L	2.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
3. Benzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
4. Bromobenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
5. Bromochloromethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
6. Bromodichloromethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
7. Bromoform	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
8. Bromomethane	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
9. 2-Butanone	U		µg/L	25	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
10. n-Butylbenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
11. sec-Butylbenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
12. tert-Butylbenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
13. Carbon Disulfide	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
15. Chlorobenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
16. Chloroethane	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
17. Chloroform	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
18. Chloromethane	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
20. Dibromochloromethane	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
22. Dibromomethane	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
35. Ethylbenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
36. Ethylene Dibromide	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
37. 2-Hexanone	U		µg/L	50	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
38. Isopropylbenzene	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
39. Methyl Iodide	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A

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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-014

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	TB	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	14	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 54146-014		Matrix: Ground Water	Analyst: JPL		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
40. Methylene Chloride	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
41. 2-Methylnaphthalene (NN)	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
42. 4-Methyl-2-pentanone	U		µg/L	50	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
43. MTBE	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
44. Naphthalene	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
45. n-Propylbenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
46. Styrene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
47. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
48. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
49. Tetrachloroethene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
50. Toluene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
51. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
52. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
53. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
54. Trichloroethene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
55. Trichlorofluoromethane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
56. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
57. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
58. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
59. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
60. Vinyl Chloride	U		µg/L	1.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A
61. Xylenes	U		µg/L	3.0	1.0	02/04/13	VB13B04A	02/04/13	VB13B04A

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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-015

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	EB (Equipment Blank)	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	15	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Trace Elements by ICP/MS, Total Recoverable (EPA 3005A-M/EPA 6020A)						Aliquot ID: 54146-015A		Matrix: Ground Water	Analyst: JLP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Arsenic	U		µg/L	5.0	10	02/04/13	PT13B04B	02/04/13	T213B04A
2. Lead	U		µg/L	3.0	10	02/04/13	PT13B04B	02/04/13	T213B04A

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)						Aliquot ID: 54146-015		Matrix: Ground Water	Analyst: JPL
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acetone	U		µg/L	50	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
2. Acrylonitrile	U		µg/L	2.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
3. Benzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
4. Bromobenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
5. Bromochloromethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
6. Bromodichloromethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
7. Bromoform	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
8. Bromomethane	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
9. 2-Butanone	U		µg/L	25	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
10. n-Butylbenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
11. sec-Butylbenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
12. tert-Butylbenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
13. Carbon Disulfide	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
14. Carbon Tetrachloride	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
15. Chlorobenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
16. Chloroethane	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
17. Chloroform	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
18. Chloromethane	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
19. 2-Chlorotoluene	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
20. Dibromochloromethane	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
22. Dibromomethane	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
23. 1,2-Dichlorobenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
24. 1,3-Dichlorobenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
25. 1,4-Dichlorobenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
26. Dichlorodifluoromethane	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
27. 1,1-Dichloroethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
28. 1,2-Dichloroethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
29. 1,1-Dichloroethene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
30. cis-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
31. trans-1,2-Dichloroethene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
32. 1,2-Dichloropropane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
33. cis-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B

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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-015

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	EB (Equipment Blank)	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	15	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS (EPA 5030B/EPA 8260B)				Aliquot ID: 54146-015		Matrix: Ground Water	Analyst: JPL		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
34. trans-1,3-Dichloropropene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
35. Ethylbenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
36. Ethylene Dibromide	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
37. 2-Hexanone	U		µg/L	50	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
38. Isopropylbenzene	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
39. Methyl Iodide	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
40. Methylene Chloride	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
41. 4-Methyl-2-pentanone	U		µg/L	50	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
42. MTBE	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
43. Naphthalene	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
44. n-Propylbenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
45. Styrene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
46. 1,1,1,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
47. 1,1,2,2-Tetrachloroethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
48. Tetrachloroethene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
49. Toluene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
50. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
51. 1,1,1-Trichloroethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
52. 1,1,2-Trichloroethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
53. Trichloroethene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
54. Trichlorofluoromethane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
55. 1,2,3-Trichloropropane	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
56. 1,2,3-Trimethylbenzene (NN)	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
57. 1,2,4-Trimethylbenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
58. 1,3,5-Trimethylbenzene	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
59. Vinyl Chloride	U		µg/L	1.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B
60. Xylenes	U		µg/L	3.0	1.0	02/01/13	VB13B01B	02/02/13	VB13B01B

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3510C/EPA 8270C)				Aliquot ID: 54146-015B		Matrix: Ground Water	Analyst: GAN		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
2. Acenaphthylene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
3. Aniline	U		µg/L	4.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
4. Anthracene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
5. Azobenzene (NN)	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
6. Benzo(a)anthracene	U		µg/L	1.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
7. Benzo(a)pyrene	U		µg/L	1.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
8. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	EB (Equipment Blank)	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	15	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3510C/EPA 8270C)				Aliquot ID: 54146-015B		Matrix: Ground Water	Analyst: GAN		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
9. Benzo(ghi)perylene	U		µg/L	1.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
10. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
11. Benzyl Alcohol	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
12. Bis(2-chloroethoxy)methane	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
13. Bis(2-chloroethyl)ether	U		µg/L	1.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
14. Bis(2-chloroisopropyl) Ether	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
15. Bis(2-ethylhexyl)phthalate (NN)	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
16. 4-Bromophenyl Phenylether (NN)	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
17. Butyl Benzyl Phthalate	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
18. Carbazole (NN)	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
19. 4-Chloro-3-methylphenol	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
20. 2-Chloronaphthalene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
21. 2-Chlorophenol	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
22. 4-Chlorophenyl Phenylether	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
23. Chrysene	U		µg/L	1.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
24. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
25. Dibenzofuran	U		µg/L	4.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
26. 2,4-Dichlorophenol	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
27. Diethyl Phthalate	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
28. Dimethyl Phthalate	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
29. 2,4-Dimethylphenol	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
30. Di-n-butyl Phthalate	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
31. 2,4-Dinitrophenol	U		µg/L	20	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
32. 2,4-Dinitrotoluene (NN)	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
33. 2,6-Dinitrotoluene (NN)	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
34. Di-n-octyl Phthalate	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
35. Fluoranthene	U		µg/L	1.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
36. Fluorene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
37. Hexachlorobenzene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
38. Hexachlorobutadiene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
39. Hexachlorocyclopentadiene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
40. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
41. Isophorone	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
42. 2-Methyl-4,6-dinitrophenol (NN)	U		µg/L	20	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
43. 2-Methylnaphthalene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
44. 2-Methylphenol (NN)	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
45. 3&4-Methylphenol (NN)	U		µg/L	10	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
46. 2-Nitroaniline	U		µg/L	20	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
47. 3-Nitroaniline	U		µg/L	20	1.0	02/05/13	PS13B05D	02/05/13	S713B05A

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 F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-015

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	EB (Equipment Blank)	Chain of Custody:	108083
Client Project Name:	1983F5-4-20	Sample No:	15	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Ground Water	Collect Time:	NA

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3510C/EPA 8270C)				Aliquot ID: 54146-015B		Matrix: Ground Water		Analyst: GAN	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
48. 4-Nitroaniline	U		µg/L	20	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
49. Nitrobenzene	U		µg/L	3.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
50. 2-Nitrophenol	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
51. 4-Nitrophenol	U		µg/L	20	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
52. N-Nitrosodimethylamine	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
53. N-Nitrosodi-n-propylamine	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
54. N-Nitrosodiphenylamine	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
55. Pentachlorophenol	U		µg/L	20	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
56. Phenanthrene	U		µg/L	2.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
57. Phenol	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
58. Pyrene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
59. Pyridine	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
60. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
61. 2,4,5-Trichlorophenol	U		µg/L	5.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A
62. 2,4,6-Trichlorophenol	U		µg/L	4.0	1.0	02/05/13	PS13B05D	02/05/13	S713B05A

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T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-016

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1) MS	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	16	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-016A		Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	53		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204	
Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-016A		Matrix: Soil/Solid		Analyst: JLP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Arsenic	23000		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A	
2. Lead	53000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A	
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-016		Matrix: Soil/Solid		Analyst: CCD
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	11000		µg/kg	1100	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
2. Acrylonitrile	11000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
3. Benzene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
4. Bromobenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
5. Bromochloromethane	9600		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
6. Bromodichloromethane	11000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
7. Bromoform	10000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
8. Bromomethane	10000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
9. 2-Butanone	11000		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
10. n-Butylbenzene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
11. sec-Butylbenzene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
12. tert-Butylbenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
13. Carbon Disulfide	9200		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
14. Carbon Tetrachloride	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
15. Chlorobenzene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
16. Chloroethane	9900		µg/kg	540	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
17. Chloroform	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
18. Chloromethane	9000		µg/kg	540	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
19. 2-Chlorotoluene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
20. Dibromochloromethane	10000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
22. Dibromomethane	12000		µg/kg	540	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
23. 1,2-Dichlorobenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
24. 1,3-Dichlorobenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
25. 1,4-Dichlorobenzene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
26. Dichlorodifluoromethane	7900		µg/kg	540	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
27. 1,1-Dichloroethane	9600		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
28. 1,2-Dichloroethane	19000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	

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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-016

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Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1) MS	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	16	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-016		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	9400		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	9700		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	9500		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	8900		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	23000		µg/kg	430	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	12000		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	11000		µg/kg	540	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	11000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	8400		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	12000		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	20000		µg/kg	1100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	11000		µg/kg	540	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	9900		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	12000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	10000		µg/kg	540	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	10000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	12000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	11000		µg/kg	210	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	9100		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	31000		µg/kg	320	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-016A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	3900	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	3900	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	1900	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1) MS	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	16	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-016A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	3800	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	4400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	4100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	4500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	3900	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	4200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	5000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	4500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	4200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	3400	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	3700	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	3300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	3800	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	4200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	4400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	3800	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	3400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	1900	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	4600	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrotoluene (NN)	4200	J,G-	µg/kg	360	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,6-Dinitrotoluene (NN)	4100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. Di-n-octyl Phthalate	4600	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Fluoranthene	4400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluorene	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Hexachlorobenzene	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobutadiene	3600	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorocyclopentadiene	2700	J,G-	µg/kg	360	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Indeno(1,2,3-cd)pyrene	4200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Isophorone	4700	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. 2-Methylnaphthalene	3700	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methylphenol (NN)	2200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Holt, MI 48842
 Brighton, MI 48116
 Cadillac, MI 49601

T: (517) 699-0345
 T: (810) 220-3300
 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
 F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1) MS	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	16	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-016A			Matrix: Soil/Solid		Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 3&4-Methylphenol (NN)	2100	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Nitroaniline	3800	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3-Nitroaniline	3300	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 4-Nitroaniline	2800	J,V-	µg/kg	1400	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. Nitrobenzene	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 2-Nitrophenol	4100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. 4-Nitrophenol	1200	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. N-Nitrosodimethylamine	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. N-Nitrosodi-n-propylamine	4200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodiphenylamine	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. Pentachlorophenol	2600	J,G-	µg/kg	1400	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. Phenanthrene	3900	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Phenol	2400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Pyrene	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Pyridine	3900	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. 2,4,5-Trichlorophenol	3500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. 2,4,6-Trichlorophenol	3300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A



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Laboratory Project Number: 54146
Laboratory Sample Number: 54146-017

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1) MSD	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	17	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Dry Weight Determination (ASTM D 2974-87)						Aliquot ID: 54146-017A		Matrix: Soil/Solid		Analyst: BMG
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Percent Moisture (Water Content) (NN)	56		%	0.1	1.0	02/04/13	MC130204	02/05/13	MC130204	
Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)						Aliquot ID: 54146-017A		Matrix: Soil/Solid		Analyst: JLP
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Arsenic	26000		µg/kg	100	20	02/05/13	PT13B05B	02/05/13	T213B05A	
2. Lead	55000		µg/kg	1000	20	02/05/13	PT13B05B	02/05/13	T213B05A	
Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)						Aliquot ID: 54146-017		Matrix: Soil/Solid		Analyst: CCD
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch	
1. Acetone	12000		µg/kg	1100	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
2. Acrylonitrile	11000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
3. Benzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
4. Bromobenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
5. Bromochloromethane	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
6. Bromodichloromethane	12000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
7. Bromoform	11000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
8. Bromomethane	11000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
9. 2-Butanone	12000		µg/kg	750	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
10. n-Butylbenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
11. sec-Butylbenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
12. tert-Butylbenzene	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
13. Carbon Disulfide	10000		µg/kg	250	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
14. Carbon Tetrachloride	13000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
15. Chlorobenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
16. Chloroethane	11000		µg/kg	570	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
17. Chloroform	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
18. Chloromethane	9800		µg/kg	570	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
19. 2-Chlorotoluene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
20. Dibromochloromethane	11000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
21. 1,2-Dibromo-3-chloropropane (SIM) (N)	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
22. Dibromomethane	12000		µg/kg	570	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
23. 1,2-Dichlorobenzene	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
24. 1,3-Dichlorobenzene	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
25. 1,4-Dichlorobenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
26. Dichlorodifluoromethane	9200		µg/kg	570	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
27. 1,1-Dichloroethane	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	
28. 1,2-Dichloroethane	21000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D	

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8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584



Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-017

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1) MSD	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	17	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)				Aliquot ID: 54146-017		Matrix: Soil/Solid		Analyst: CCD	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
29. 1,1-Dichloroethene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
30. cis-1,2-Dichloroethene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
31. trans-1,2-Dichloroethene	10000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
32. 1,2-Dichloropropane	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
33. cis-1,3-Dichloropropene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
34. trans-1,3-Dichloropropene	9500		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
35. Ethylbenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
36. Ethylene Dibromide	25000		µg/kg	460	1.0	02/01/13	V913B01D	02/03/13	V913B01D
37. 2-Hexanone	12000		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
38. Isopropylbenzene	12000		µg/kg	570	1.0	02/01/13	V913B01D	02/03/13	V913B01D
39. Methyl Iodide	11000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
40. Methylene Chloride	9300		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
41. 4-Methyl-2-pentanone	12000		µg/kg	2500	1.0	02/01/13	V913B01D	02/03/13	V913B01D
42. MTBE	22000		µg/kg	1100	1.0	02/01/13	V913B01D	02/03/13	V913B01D
43. Naphthalene	11000		µg/kg	570	1.0	02/01/13	V913B01D	02/03/13	V913B01D
44. n-Propylbenzene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
45. Styrene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
46. 1,1,1,2-Tetrachloroethane	13000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
47. 1,1,2,2-Tetrachloroethane	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
48. Tetrachloroethene	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
49. Toluene	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
50. 1,2,4-Trichlorobenzene	11000		µg/kg	570	1.0	02/01/13	V913B01D	02/03/13	V913B01D
51. 1,1,1-Trichloroethane	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
52. 1,1,2-Trichloroethane	13000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
53. Trichloroethene	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
54. Trichlorofluoromethane	12000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
55. 1,2,3-Trichloropropane	12000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
56. 1,2,3-Trimethylbenzene (NN)	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
57. 1,2,4-Trimethylbenzene	12000		µg/kg	230	1.0	02/01/13	V913B01D	02/03/13	V913B01D
58. 1,3,5-Trimethylbenzene	12000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
59. Vinyl Chloride	11000		µg/kg	110	1.0	02/01/13	V913B01D	02/03/13	V913B01D
60. Xylenes	34000		µg/kg	340	1.0	02/01/13	V913B01D	02/03/13	V913B01D

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-017A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
1. Acenaphthene	3100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
2. Acenaphthylene	3100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
3. Aniline	1400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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Cadillac, MI 49601

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1) MSD	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	17	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)				Aliquot ID: 54146-017A		Matrix: Soil/Solid		Analyst: BDA	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
4. Anthracene	3200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
5. Azobenzene (NN)	3000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
6. Benzo(a)anthracene	3400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
7. Benzo(a)pyrene	3600	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
8. Benzo(b)fluoranthene	3500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
9. Benzo(ghi)perylene	3500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
10. Benzo(k)fluoranthene	3600	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
11. Benzyl Alcohol	4000	J,G-	µg/kg	3300	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
12. Bis(2-chloroethoxy)methane	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
13. Bis(2-chloroethyl)ether	4500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
14. Bis(2-chloroisopropyl) Ether	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
15. Bis(2-ethylhexyl)phthalate (NN)	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
16. 4-Bromophenyl Phenylether (NN)	3200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
17. Butyl Benzyl Phthalate	3500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
18. Carbazole (NN)	3300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
19. 4-Chloro-3-methylphenol	3300	J,G-	µg/kg	280	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
20. 2-Chloronaphthalene	3000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
21. 2-Chlorophenol	3000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
22. 4-Chlorophenyl Phenylether	3100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
23. Chrysene	3300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
24. Dibenzo(a,h)anthracene	3600	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
25. Dibenzofuran	3100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
26. 2,4-Dichlorophenol	3200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
27. Diethyl Phthalate	3700	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
28. Dimethyl Phthalate	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
29. 2,4-Dimethylphenol	1400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
30. Di-n-butyl Phthalate	3600	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
31. 2,4-Dinitrotoluene (NN)	3900	J,G-	µg/kg	380	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
32. 2,6-Dinitrotoluene (NN)	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
33. Di-n-octyl Phthalate	3800	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
34. Fluoranthene	3400	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
35. Fluorene	3200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
36. Hexachlorobenzene	3300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
37. Hexachlorobutadiene	2900	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
38. Hexachlorocyclopentadiene	2000	J,G-	µg/kg	380	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
39. Indeno(1,2,3-cd)pyrene	3500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
40. Isophorone	4800	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
41. 2-Methylnaphthalene	3100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
42. 2-Methylphenol (NN)	1600	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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 T: (231) 775-8368

F: (517) 699-0388
 F: (810) 220-3311
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Analytical Laboratory Report
Laboratory Project Number: 54146
Laboratory Sample Number: 54146-017

Order: 54146
Page: 67 of 68
Date: 02/08/13

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	MBF-SB-6 (0.5-1) MSD	Chain of Custody:	108084
Client Project Name:	1983F5-4-20	Sample No:	17	Collect Date:	01/30/13
Client Project No:	NA	Sample Matrix:	Soil/Solid	Collect Time:	NA

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable NN: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)		Aliquot ID: 54146-017A			Matrix: Soil/Solid		Analyst: BDA		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Prep Date	Prep Batch	Analysis Date	Analysis Batch
43. 3&4-Methylphenol (NN)	1800	J,G-	µg/kg	660	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
44. 2-Nitroaniline	3800	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
45. 3-Nitroaniline	3200	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
46. 4-Nitroaniline	2600	J,V-	µg/kg	1500	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
47. Nitrobenzene	4200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
48. 2-Nitrophenol	4200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
49. 4-Nitrophenol	1400	J,G-	µg/kg	830	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
50. N-Nitrosodimethylamine	4300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
51. N-Nitrosodi-n-propylamine	4100	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
52. N-Nitrosodiphenylamine	3200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
53. Pentachlorophenol	2600	J,G-	µg/kg	1500	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
54. Phenanthrene	3200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
55. Phenol	2500	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
56. Pyrene	3300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
57. Pyridine	4000	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
58. 2,4,5-Trichlorophenol	3300	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A
59. 2,4,6-Trichlorophenol	3200	J,G-	µg/kg	330	1.0	02/04/13	PS13B04C	02/04/13	S513B04A

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
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Definitions/ Qualifiers:

- A: Spike recovery or precision unusable due to dilution.
- B: The analyte was detected in the associated method blank.
- E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J: The concentration is an estimated value.
- M: Modified Method
- U: The analyte was not detected at or above the reporting limit.
- X: Matrix Interference has resulted in a raised reporting limit or distorted result.
- W: Results reported on a wet-weight basis.
- *: Value reported is outside QA limits

Exception Summary:

- G- : Recovery of the associated Surrogate Compound exceeds the lower control limit. Results may be biased low.
- N1 : Spiked sample recovery not within control limits.
- V- : Recovery in the associated continuing calibration verification sample (CCV) exceeds the lower control limit. Results may be biased low.



Accreditation Number:

E-10395

**Quality Control Report
Matrix Spike Summary
Laboratory Project Number: 54146**

Order: 54146
Page: 1 of 5
Date: 02/08/13

Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills** Client Project Name: **1983F5-4-20** Client Project No:

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable

Trace Elements by ICP/MS (EPA 0200.2-M/EPA 6020A)

Matrix: Soil/Solid

Parent Sample:	54146-006A	Description:	MBF-SB-6 (0.5-1)	Sample No:	6	Collect Date:	01/30/13			
MS Sample ID:	54146-016A	Description:	MBF-SB-6 (0.5-1) MS	Sample No:	16	Collect Date:	01/30/13			
MSD Sample ID:	54146-017A	Description:	MBF-SB-6 (0.5-1) MSD	Sample No:	17	Collect Date:	01/30/13			
Parameter(s)	Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MS/MSD LCL - UCL	RPD %	RPD UCL
1. Arsenic	14,482	µg/kg	10,000	22,343	25,195	79	107	70 - 130	30 *	20
2. Lead	70,240	µg/kg	20,000	53,294	55,279	0 *	0 *	70 - 130	0	20

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)

Matrix: Soil/Solid

Parent Sample:	54146-006	Description:	MBF-SB-6 (0.5-1)	Sample No:	6	Collect Date:	01/30/13			
MS Sample ID:	54146-016	Description:	MBF-SB-6 (0.5-1) MS	Sample No:	16	Collect Date:	01/30/13			
MSD Sample ID:	54146-017	Description:	MBF-SB-6 (0.5-1) MSD	Sample No:	17	Collect Date:	01/30/13			
Parameter(s)	Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MS/MSD LCL - UCL	RPD %	RPD UCL
1. Acetone	<500	µg/kg(wet)	5,000	5,252	5,069	105	101	40 - 207	4	20
2. Acrylonitrile	<100	µg/kg(wet)	5,000	5,117	4,919	102	98	45 - 180	4	20
3. Benzene	<50.0	µg/kg(wet)	5,000	4,779	5,028	96	101	63 - 141	5	20
4. Bromobenzene	<50.0	µg/kg(wet)	5,000	4,952	4,961	99	99	70 - 144	0	20
5. Bromochloromethane	<50.0	µg/kg(wet)	5,000	4,459	4,420	89	88	42 - 161	1	20
6. Bromodichloromethane	<100	µg/kg(wet)	5,000	5,169	5,359	103	107	60 - 150	4	20
7. Bromoform	<100	µg/kg(wet)	5,000	4,823	4,808	96	96	50 - 117	0	20
8. Bromomethane	<100	µg/kg(wet)	5,000	4,733	4,871	95	97	58 - 217	2	20
9. 2-Butanone	<250	µg/kg(wet)	5,000	5,045	5,413	101	108	42 - 193	7	20
10. n-Butylbenzene	<50.0	µg/kg(wet)	5,000	4,666	4,877	93	98	65 - 151	5	20
11. sec-Butylbenzene	<50.0	µg/kg(wet)	5,000	4,802	4,959	96	99	68 - 147	3	20
12. tert-Butylbenzene	<50.0	µg/kg(wet)	5,000	5,062	5,267	101	105	68 - 140	4	20
13. Carbon Disulfide	<100	µg/kg(wet)	5,000	4,292	4,564	86	91	36 - 143	6	20
14. Carbon Tetrachloride	<50.0	µg/kg(wet)	5,000	5,334	5,609	107	112	50 - 159	5	20
15. Chlorobenzene	<50.0	µg/kg(wet)	5,000	4,818	4,973	96	99	72 - 135	3	20
16. Chloroethane	<250	µg/kg(wet)	5,000	4,609	4,876	92	98	16 - 207	6	20
17. Chloroform	<50.0	µg/kg(wet)	5,000	4,658	4,908	93	98	47 - 159	5	20
18. Chloromethane	<250	µg/kg(wet)	5,000	4,170	4,290	83	86	14 - 185	4	20
19. 2-Chlorotoluene	<50.0	µg/kg(wet)	5,000	4,998	5,040	100	101	73 - 141	1	20
20. Dibromochloromethane	<100	µg/kg(wet)	5,000	4,815	4,904	96	98	59 - 130	2	20
21. 1,2-Dibromo-3-chloropropane (SIM)	<50.0	µg/kg(wet)	5,000	4,772	4,666	95	93	34 - 164	2	20
22. Dibromomethane	<250	µg/kg(wet)	5,000	5,380	5,391	108	108	66 - 134	0	20
23. 1,2-Dichlorobenzene	<50.0	µg/kg(wet)	5,000	5,007	5,105	100	102	76 - 128	2	20
24. 1,3-Dichlorobenzene	<50.0	µg/kg(wet)	5,000	4,945	5,053	99	101	72 - 136	2	20
25. 1,4-Dichlorobenzene	<50.0	µg/kg(wet)	5,000	4,871	4,947	97	99	74 - 127	2	20
26. Dichlorodifluoromethane	<250	µg/kg(wet)	5,000	3,667	4,026	73	81	10 - 207	10	20
27. 1,1-Dichloroethane	<50.0	µg/kg(wet)	5,000	4,480	4,704	90	94	42 - 157	4	20
28. 1,2-Dichloroethane	<50.0	µg/kg(wet)	10,000	9,035	9,260	90	93	56 - 146	3	20

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T: (810) 220-3300
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F: (517) 699-0388
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Quality Control Report
Matrix Spike Summary
Laboratory Project Number: 54146

Order: 54146
Page: 2 of 5
Date: 02/08/13

Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Client Project Name: **1983F5-4-20**

Client Project No:

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable

Volatile Organic Compounds (VOCs) by GC/MS, 5035 (EPA 5035/EPA 8260B)

Matrix: Soil/Solid

Parent Sample: 54146-006	Description: MBF-SB-6 (0.5-1)	Sample No: 6	Collect Date: 01/30/13
MS Sample ID: 54146-016	Description: MBF-SB-6 (0.5-1) MS	Sample No: 16	Collect Date: 01/30/13
MSD Sample ID: 54146-017	Description: MBF-SB-6 (0.5-1) MSD	Sample No: 17	Collect Date: 01/30/13

Parameter(s)	Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MS/MSD LCL - UCL	RPD %	RPD UCL
29. 1,1-Dichloroethene	<50.0	µg/kg(wet)	5,000	4,371	4,682	87	94	34 - 165	8	20
30. cis-1,2-Dichloroethene	<50.0	µg/kg(wet)	5,000	4,512	4,717	90	94	43 - 170	4	20
31. trans-1,2-Dichloroethene	<50.0	µg/kg(wet)	5,000	4,430	4,410	89	88	49 - 162	1	20
32. 1,2-Dichloropropane	<50.0	µg/kg(wet)	5,000	4,813	5,030	96	101	62 - 151	5	20
33. cis-1,3-Dichloropropene	<50.0	µg/kg(wet)	5,000	4,731	4,797	95	96	45 - 156	1	20
34. trans-1,3-Dichloropropene	<50.0	µg/kg(wet)	5,000	4,156	4,184	83	84	40 - 157	1	20
35. Ethylbenzene	<50.0	µg/kg(wet)	5,000	4,844	5,010	97	100	76 - 137	3	20
36. Ethylene Dibromide	<200	µg/kg(wet)	10,000	10,937	10,955	109	110	71 - 133	1	20
37. 2-Hexanone	<500	µg/kg(wet)	5,000	5,367	5,261	107	105	29 - 211	2	20
38. Isopropylbenzene	<250	µg/kg(wet)	5,000	4,924	5,122	98	102	68 - 153	4	20
39. Methyl Iodide	<100	µg/kg(wet)	5,000	4,933	4,995	99	100	17 - 150	1	20
40. Methylene Chloride	<100	µg/kg(wet)	5,000	3,905	4,059	78	81	38 - 180	4	20
41. 4-Methyl-2-pentanone	<250	µg/kg(wet)	5,000	5,372	5,314	107	106	55 - 161	1	20
42. MTBE	<500	µg/kg(wet)	10,000	9,488	9,700	95	97	58 - 147	2	20
43. Naphthalene	<250	µg/kg(wet)	5,000	5,086	5,014	102	100	45 - 180	2	20
44. n-Propylbenzene	<50.0	µg/kg(wet)	5,000	4,882	4,999	98	100	71 - 146	2	20
45. Styrene	<50.0	µg/kg(wet)	5,000	4,629	4,795	93	96	72 - 138	3	20
46. 1,1,1,2-Tetrachloroethane	<100	µg/kg(wet)	5,000	5,367	5,545	107	111	61 - 131	4	20
47. 1,1,2,2-Tetrachloroethane	<50.0	µg/kg(wet)	5,000	5,522	5,454	110	109	72 - 145	1	20
48. Tetrachloroethene	<50.0	µg/kg(wet)	5,000	4,895	5,171	98	103	50 - 151	5	20
49. Toluene	<50.0	µg/kg(wet)	5,000	4,743	4,880	95	98	65 - 144	3	20
50. 1,2,4-Trichlorobenzene	<250	µg/kg(wet)	5,000	4,817	4,942	96	99	54 - 152	3	20
51. 1,1,1-Trichloroethane	<50.0	µg/kg(wet)	5,000	4,709	5,000	94	100	46 - 156	6	20
52. 1,1,2-Trichloroethane	<50.0	µg/kg(wet)	5,000	5,423	5,504	108	110	80 - 129	2	20
53. Trichloroethene	<50.0	µg/kg(wet)	5,000	4,829	5,149	97	103	65 - 144	6	20
54. Trichlorofluoromethane	<100	µg/kg(wet)	5,000	4,809	5,287	96	106	31 - 226	10	20
55. 1,2,3-Trichloropropane	<100	µg/kg(wet)	5,000	5,484	5,344	110	107	74 - 139	3	20
56. 1,2,3-Trimethylbenzene	<50.0	µg/kg(wet)	5,000	4,991	5,184	100	104	77 - 133	4	20
57. 1,2,4-Trimethylbenzene	<100	µg/kg(wet)	5,000	4,977	5,134	100	103	71 - 139	3	20
58. 1,3,5-Trimethylbenzene	<50.0	µg/kg(wet)	5,000	4,949	5,124	99	102	71 - 138	3	20
59. Vinyl Chloride	<50.0	µg/kg(wet)	5,000	4,224	4,616	84	92	25 - 189	9	20
60. m&p-Xylene	<100	µg/kg(wet)	10,000	9,630	10,019	96	100	69 - 134	4	20
61. o-Xylene	<50.0	µg/kg(wet)	5,000	5,013	5,086	100	102	69 - 134	2	20

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

**Quality Control Report
Matrix Spike Summary
Laboratory Project Number: 54146**

Order: 54146
Page: 3 of 5
Date: 02/08/13

Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Client Project Name: **1983F5-4-20**

Client Project No:

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)

Matrix: Soil/Solid

Parent Sample:	54146-006A	Description:	MBF-SB-6 (0.5-1)	Sample No:	6	Collect Date:	01/30/13			
MS Sample ID:	54146-016A	Description:	MBF-SB-6 (0.5-1) MS	Sample No:	16	Collect Date:	01/30/13			
MSD Sample ID:	54146-017A	Description:	MBF-SB-6 (0.5-1) MSD	Sample No:	17	Collect Date:	01/30/13			
Parameter(s)	Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MS/MSD LCL - UCL	RPD %	RPD UCL
1. Acenaphthene	<33.3	µg/kg(wet)	2,667	1,803	1,371	68	51	50 - 114	29	30
2. Acenaphthylene	<33.3	µg/kg(wet)	2,667	1,805	1,377	68	52 *	53 - 115	27	30
3. Aniline	<33.3	µg/kg(wet)	2,667	866	631	32 *	24 *	34 - 77	29	30
4. Anthracene	<33.3	µg/kg(wet)	2,667	1,868	1,397	70	52	48 - 119	30	30
5. Azobenzene	<33.3	µg/kg(wet)	2,667	1,748	1,325	66	50 *	65 - 102	28	30
6. Benzo(a)anthracene	<33.3	µg/kg(wet)	2,667	1,981	1,475	74	55 *	56 - 120	29	30
7. Benzo(a)pyrene	<33.3	µg/kg(wet)	2,667	2,014	1,559	76	58	57 - 122	27	30
8. Benzo(b)fluoranthene	<33.3	µg/kg(wet)	2,667	2,025	1,536	76	58	50 - 131	27	30
9. Benzo(ghi)perylene	<33.3	µg/kg(wet)	2,667	1,901	1,552	71	58	41 - 132	20	30
10. Benzo(k)fluoranthene	<33.3	µg/kg(wet)	2,667	2,080	1,588	78	60	39 - 137	26	30
11. Benzyl Alcohol	<33.3	µg/kg(wet)	2,667	1,796	1,751	67	66	64 - 102	2	30
12. Bis(2-chloroethoxy)methane	<33.3	µg/kg(wet)	2,667	1,939	1,889	73	71	62 - 98	3	30
13. Bis(2-chloroethyl)ether	<33.3	µg/kg(wet)	2,667	2,020	1,974	76	74	52 - 100	3	30
14. Bis(2-chloroisopropyl) Ether	<33.3	µg/kg(wet)	2,667	1,981	1,737	74	65	37 - 107	13	30
15. Bis(2-ethylhexyl)phthalate	<33.3	µg/kg(wet)	2,667	2,342	1,747	88	66 *	68 - 128	29	30
16. 4-Bromophenyl Phenylether	<33.3	µg/kg(wet)	2,667	1,859	1,398	70	52 *	55 - 118	30	30
17. Butyl Benzyl Phthalate	<33.3	µg/kg(wet)	2,667	2,099	1,539	79	58 *	70 - 127	31 *	30
18. Carbazole	<33.3	µg/kg(wet)	2,667	1,974	1,462	74	55 *	72 - 132	29	30
19. 4-Chloro-3-methylphenol	<33.3	µg/kg(wet)	2,667	1,583	1,441	59	54 *	57 - 120	9	30
20. 2-Chloronaphthalene	<33.3	µg/kg(wet)	2,667	1,713	1,298	64	49 *	53 - 106	27	30
21. 2-Chlorophenol	<33.3	µg/kg(wet)	2,667	1,522	1,326	57 *	50 *	61 - 99	13	30
22. 4-Chlorophenyl Phenylether	<33.3	µg/kg(wet)	2,667	1,789	1,345	67	50	50 - 119	29	30
23. Chrysene	<33.3	µg/kg(wet)	2,667	1,945	1,450	73	54	53 - 124	30	30
24. Dibenzo(a,h)anthracene	<33.3	µg/kg(wet)	2,667	2,029	1,577	76	59	53 - 126	25	30
25. Dibenzofuran	<33.3	µg/kg(wet)	2,667	1,782	1,362	67	51	51 - 116	27	30
26. 2,4-Dichlorophenol	<33.3	µg/kg(wet)	2,667	1,598	1,412	60	53 *	56 - 113	12	30
27. Diethyl Phthalate	<33.3	µg/kg(wet)	2,667	1,985	1,610	74	60	46 - 128	21	30
28. Dimethyl Phthalate	<33.3	µg/kg(wet)	2,667	2,015	1,871	76	70	63 - 115	8	30
29. 2,4-Dimethylphenol	<33.3	µg/kg(wet)	2,667	904	610	34 *	23 *	63 - 106	39 *	30
30. Di-n-butyl Phthalate	<33.3	µg/kg(wet)	2,667	2,160	1,583	81	59	45 - 124	31 *	30
31. 2,4-Dinitrophenol	<667	µg/kg(wet)	2,667	452	471	17	18	10 - 96	6	30
32. 2,4-Dinitrotoluene	<167	µg/kg(wet)	2,667	1,947	1,724	73	65	52 - 121	12	30
33. 2,6-Dinitrotoluene	<33.3	µg/kg(wet)	2,667	1,894	1,750	71	66	57 - 118	7	30
34. Di-n-octyl Phthalate	<66.7	µg/kg(wet)	2,667	2,132	1,651	80	62 *	65 - 120	25	30
35. Fluoranthene	<33.3	µg/kg(wet)	2,667	2,044	1,513	77	57	48 - 135	30	30
36. Fluorene	<33.3	µg/kg(wet)	2,667	1,867	1,414	70	53	49 - 126	28	30
37. Hexachlorobenzene	<33.3	µg/kg(wet)	2,667	1,857	1,426	70	53 *	54 - 118	28	30
38. Hexachlorobutadiene	<33.3	µg/kg(wet)	2,667	1,679	1,254	63	47	35 - 136	29	30

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11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

**Quality Control Report
Matrix Spike Summary
Laboratory Project Number: 54146**

Order: 54146
Page: 4 of 5
Date: 02/08/13

Client Identification: **AKT Peerless Environ. Svcs,
Inc. - Farm. Hills**

Client Project Name: **1983F5-4-20**

Client Project No:

Sample Comments: **Soil results have been calculated and reported on a dry weight basis unless otherwise noted.**

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable

Base/Neutral/Acid Semivolatiles by GC/MS (EPA 3546/EPA 8270C)

Matrix: Soil/Solid

Parent Sample:	54146-006A	Description:	MBF-SB-6 (0.5-1)	Sample No:	6	Collect Date:	01/30/13			
MS Sample ID:	54146-016A	Description:	MBF-SB-6 (0.5-1) MS	Sample No:	16	Collect Date:	01/30/13			
MSD Sample ID:	54146-017A	Description:	MBF-SB-6 (0.5-1) MSD	Sample No:	17	Collect Date:	01/30/13			
Parameter(s)	Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MS/MSD LCL - UCL	RPD %	RPD UCL
39. Hexachlorocyclopentadiene	<167	µg/kg(wet)	2,667	1,259	887	47	33 *	43 - 101	35 *	30
40. Hexachloroethane	<33.3	µg/kg(wet)	2,667	1,834	1,355	69	51 *	52 - 104	30	30
41. Indeno(1,2,3-cd)pyrene	<33.3	µg/kg(wet)	2,667	1,958	1,542	73	58	51 - 132	23	30
42. Isophorone	<33.3	µg/kg(wet)	2,667	2,165	2,095	81	79	64 - 102	3	30
43. 2-Methyl-4,6-dinitrophenol	<667	µg/kg(wet)	2,667	523	635	20 *	24 *	46 - 109	18	30
44. 2-Methylnaphthalene	<33.3	µg/kg(wet)	2,667	1,713	1,367	64	51	46 - 105	23	30
45. 2-Methylphenol	<33.3	µg/kg(wet)	2,667	1,004	723	38 *	27 *	60 - 100	34 *	30
46. 3&4-Methylphenol	<33.3	µg/kg(wet)	2,667	958	774	36 *	29 *	58 - 104	22	30
47. 2-Nitroaniline	<33.3	µg/kg(wet)	2,667	1,756	1,679	66	63 *	66 - 112	5	30
48. 3-Nitroaniline	<33.3	µg/kg(wet)	2,667	1,551	1,405	58	53	45 - 144	9	30
49. 4-Nitroaniline	<667	µg/kg(wet)	2,667	1,289	1,142	48 *	43 *	67 - 162	11	30
50. Nitrobenzene	<33.3	µg/kg(wet)	2,667	1,850	1,821	69	68	61 - 99	1	30
51. 2-Nitrophenol	<33.3	µg/kg(wet)	2,667	1,898	1,856	71	70	61 - 105	1	30
52. 4-Nitrophenol	<33.3	µg/kg(wet)	2,667	568	593	21 *	22 *	41 - 105	5	30
53. N-Nitrosodimethylamine	<33.3	µg/kg(wet)	2,667	1,879	1,879	70	70	36 - 119	0	30
54. N-Nitrosodi-n-propylamine	<33.3	µg/kg(wet)	2,667	1,952	1,802	73	68	59 - 107	7	30
55. N-Nitrosodiphenylamine	<33.3	µg/kg(wet)	2,667	1,856	1,414	70	53 *	67 - 117	28	30
56. Pentachlorophenol	<667	µg/kg(wet)	2,667	1,193	1,151	45 *	43 *	53 - 107	5	30
57. Phenanthrene	<33.3	µg/kg(wet)	2,667	1,834	1,387	69	52 *	53 - 119	28	30
58. Phenol	<33.3	µg/kg(wet)	2,667	1,118	1,079	42 *	40 *	55 - 91	5	30
59. Pyrene	<33.3	µg/kg(wet)	2,667	2,018	1,463	76	55	55 - 127	32 *	30
60. Pyridine	<33.3	µg/kg(wet)	2,667	1,812	1,756	68	66	10 - 77	3	30
61. 1,2,4-Trichlorobenzene	<33.3	µg/kg(wet)	2,667	1,754	1,380	66	52 *	55 - 110	24	30
62. 2,4,5-Trichlorophenol	<66.7	µg/kg(wet)	2,667	1,630	1,439	61	54	52 - 119	12	30
63. 2,4,6-Trichlorophenol	<66.7	µg/kg(wet)	2,667	1,534	1,388	58	52 *	53 - 114	11	30

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8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

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T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584

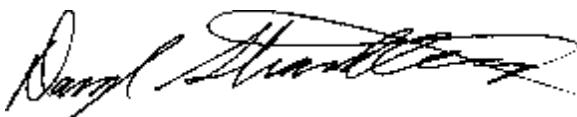
Definitions/ Qualifiers:

- A: Spike recovery or precision unusable due to dilution.
- B: The analyte was detected in the associated method blank.
- E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J: The concentration is an estimated value.
- M: Modified Method
- U: The analyte was not detected at or above the reporting limit.
- X: Matrix Interference has resulted in a raised reporting limit or distorted result.
- W: Results reported on a wet-weight basis.
- *: Value reported is outside QA limits

Exception Summary:

Exceptions have been properly noted on reported results or affected samples have been scheduled for reanalysis when appropriate.

Laboratory Approval:



Daryl P. Strandbergh
Laboratory Director



Peter J. Priniski
Quality Assurance Officer



Accreditation Number:

E-10395

1914 Holloway Drive
11766 E. Grand River
8660 S. Mackinaw Trail

Holt, MI 48842
Brighton, MI 48116
Cadillac, MI 49601

T: (517) 699-0345
T: (810) 220-3300
T: (231) 775-8368

F: (517) 699-0388
F: (810) 220-3311
F: (231) 775-8584



Analytical Laboratories
1914 Holloway Drive
Hoff, MI 48842
Phone: 517 699 0345
Fax: 517 699 0388
email: lab@fiberitec.us

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 639 0382
email: asbestos@fibertec.us

Chain of Custody #
108084
PAGE 1 of 2

T Peerless
Meagan Bahlo

Project Name/ Number:

Comments:

Wynn

Received By: John H. Phillips Date: 1/31/13 Time: 11:00
Received By: Laboratory

~~Received By:~~

Date/ Time
1/31/13
Date/ Time
1/31/13
Date/ Time

11:00

LAB USE ONLY:
Fiber tec project number:
Laboratory Tracking:
Temperature at Receipt:



1914 Holloway Drive	Analytical Laboratory
Holt, MI 48842	8660 S. Mackinaw Trail
Phone: 517 659 0345	Cadillac, MI 49601
Fax: 517 659 0388	Phone: 231 775 8368
email: lab@fiberotec.us	Fax: 231 775 8584

Industrial Hygiene Services, Inc.
1914 Holloway Drive
Holt, MI 48842
Phone: 517 699 0345
Fax: 517 699 0382
email: asbestos@fibertec.us

Geoprobe
11766 E. Grand River
Brighton, MI 48116
Phone: 810 220 3300
Fax: 810 220 3311

Chain of Custody #
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Comments

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Fiberfloc project number:
Laboratory Tracking:
Temperature at Receipt:

TERMS & CONDITIONS ON BACK

April, 2006